



1510 - B Third Street  
Tillamook, Oregon 97141  
www.tillamook.or.us

Building (503) 842-3407  
Planning (503) 842-3408  
On-Site Sanitation (503) 842-3409  
FAX (503) 842-1819  
Toll Free 1 (800) 488-8280

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*Land of Cheese, Trees and Ocean Breeze*

**ESTUARY/FLOODPLAIN DEVELOPMENT PERMIT #851-23-000095-PLNG:  
TILLAMOOK RIVER BRIDGE - ODOT**

*NOTICE TO MORTGAGEE, LIENHOLDER, VENDOR OR SELLER:  
ORS 215 REQUIRES THAT IF YOU RECEIVE THIS NOTICE,  
IT MUST BE PROMPTLY FORWARDED TO THE PURCHASER*

August 16, 2023

Dear Property Owner:

This is to confirm that the Tillamook County Department of Community Development **APPROVED WITH CONDITIONS** the above-cited request on August 16, 2023. A copy of the application, along with a map of the request area and the applicable criteria for review are available for inspection on the Tillamook County Department of Community Development website: <https://www.co.tillamook.or.us/commdev/landuseapps> and is also available for inspection at the Department of Community Development office located at 1510-B Third Street, Tillamook, Oregon 97141.

**Appeal of this decision.** This decision may be appealed to the Tillamook County Planning Commission, who will hold a public hearing. Forms and fees must be filed in the office of this Department before **4:00pm on August 28, 2023**. This decision will become final on August 28, 2023 after 4:00pm unless an appeal is filed in accordance with Tillamook County Land Use Ordinance Article X.

<b>Request:</b>	An Estuary and Floodplain Development Permit for the replacement of existing piles for the Tillamook River Bridge on the Tillamook River along Highway 131.
<b>Location:</b>	Located west of the City of Tillamook, the project is within the Highway 131 road right-of-way, a State highway.
<b>Zone:</b>	Estuary Conservation 1 (EC1) Zone
<b>Applicant/ Property Owner:</b>	Caroline Crisp of Oregon Department of Transportation (ODOT), 350 W. Marine Drive, Astoria, OR 97103

**CONDITIONS OF APPROVAL**

1. The Applicant/property owner shall obtain all required Federal, State, and Local permits and/or licenses and will comply with applicable rules and regulations.
2. The Applicant shall comply with the requirements of the USACE Application.
3. Development shall be as described on the provided plans and descriptions.
4. Development shall comply with the applicable standards of TCLUO Section 3.106, 'Estuary Conservation 1 (EC1)', TCLUO Section 3.510, 'Flood Hazard Overlay (FH) Zone' and TCLUO Section 4.140, 'Requirements for Protection of Water Quality and Streambank Stabilization', TCLUO Section 3.545 'Shoreland Overlay' and any other applicable standards.
5. The applicant/property owner shall comply with all 'Zone AE' flood hazard construction standards per FEMA requirements.
6. The fill shall comply with all Building Code requirements for Anchoring and Construction Materials and Methods for a structure located in the 'AE' flood zones.
7. This approval shall be void on August 16, 2025, unless construction of approved plans has begun, or an extension is requested from, and approved by this Department.

Sincerely,

Tillamook County Department of Community Development



Melissa Jenck, CFM, Senior Planner

Sarah Absher, CFM, Director

Enc.: Vicinity, Assessor's and Zoning maps



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**ESTUARY/FLOODPLAIN DEVELOPMENT PERMIT REQUEST**

**851-23-000095-PLNG:  
TILLAMOOK RIVER BRIDGE - ODOT**

**ADMINISTRATIVE DECISION & STAFF REPORT**

**Decision Date: August 16, 2023**

**Decision: APPROVED WITH CONDITIONS**  
**(This is not Building or Placement Permit Approval)**

**Report Prepared by: Melissa Jenck, CFM, Senior Planner**

**I. GENERAL INFORMATION:**

**Request:** An Estuary and Floodplain Development Permit for the replacement of existing piles for the Tillamook River Bridge on the Tillamook River along Highway 131.

**Location:** Located west of the City of Tillamook, the project is within the Highway 131 road right-of-way, a State highway.

**Zone:** Estuary Conservation 1 (EC1) Zone

**Applicant/  
Property Owner:** Caroline Crisp of Oregon Department of Transportation (ODOT), 350 W. Marine Drive, Astoria, OR 97103

**Proposal Description:** The Applicant is proposing to repair six (6) existing timber piles on the existing Tillamook River Bridge (Exhibit B). The repair includes removal of rotten sections of the timber piles by using a circular steel tube, with a steel sleeve placed around the piles and backfilled with concrete to serve as support to repaired piles (Exhibit B).

The area of proposed construction is depicted on the maps included in the Applicant’s submittal, found in ‘Exhibit B’ of this report. The project area is within the road right-of-way of Highway 131, a State highway, which traverses over Tillamook River. This location is approximately 0.8 miles west of the City of Tillamook limits along Highway 131 (Exhibit A).

As indicated on FEMA FIRM #41057C0560F dated September 28, 2018, the subject property is located entirely in an ‘AE’ Area of Special Flood Hazard of the Tillamook River (Exhibit A).

The application is an Estuary and Floodplain Development Permit approval for the replacement of existing piles for the Tillamook River bridge (Exhibit B). The criteria and standards for this review is addressed below in this Staff Report.

## II. APPLICABLE ORDINANCE AND COMPREHENSIVE PLAN PROVISIONS:

The desired use is governed through the following Sections of the Tillamook County Land Use Ordinance (TCLUO). The suitability of the proposed use, in light of these criteria, is discussed in Section III of this report:

- A. TCLUO Section 3.106, 'Estuary Conservation 1 (EC1) Zone'
- B. TCLUO Section 3.120, 'Regulated Activities and Impacts Assessments'
- C. TCLUO Section 3.140, 'Estuary Development Standards'
- D. TCLUO Section 3.510, 'Flood Hazard Overlay (FH) Zone'
- E. TCLUO Section 3.545, 'Shoreland Overlay'
- F. TCLUO Section 4.140, 'Requirements for Protection of Water Quality and Streambank Stabilization'

## III. ANALYSIS

The project is located within the regulatory floodplain (AE Zone) and Estuary zone and is subject to a Type II review per TCLUO Article X: Development Approval Procedures. TCLUO Section 10.070 requires notification of Type II applications to be mailed to landowners within 250 feet of the subject properties, to allow at least 14 days for written comment and requires staff to consider comments received in making the decision.

**Findings:** Notice of the request was mailed to property owners and agencies on June 2, 2023. Staff finds that notification requirements have been met. Comments were received from the Oregon Department of State Lands and the Oregon Department of Fish and Wildlife and are included as "Exhibit C".

### A. TCLUO Section 3.106, 'Estuary Conservation 1 (EC1) Zone'

(1) *PURPOSE AND AREAS INCLUDED: The purpose of the EC1 zone is to:*

- (a) *Provide for long-term utilization of areas which support, or have the potential to support valuable biological resources.*
- (b) *Provide for long-term maintenance and enhancement of biological productivity.*
- (c) *Provide for the long-term maintenance of the aesthetic values of estuarine areas, in order to promote or enhance the low intensity recreational use of estuarine areas adjacent to rural or agricultural shorelands.*

....  
*ESTUARY ZONES shall be applied to all estuarine waters, intertidal areas, submerged and submersible lands and tidal wetlands up to the line of non-aquatic vegetation or the Mean Higher High Water (MHHW) line, whichever is most landward.*

...  
(2) *USES PERMITTED WITH STANDARDS:*

- (n) *Bridge crossings and crossing support structures.*

...  
(4) *REGULATED ACTIVITIES: The following Regulated Activities are permitted subject to the procedure of Section 3.120 and the standards in Section 3.140.*

(a) *Regulated Activities in association with on-site maintenance and repair of existing structures or facilities, limited to:*

- ...  
(3) *Replacement of pilings*

**Findings:** Applicant is proposing to repair existing piles on the Tillamook River Bridge (Exhibit B). A site plan was included in ‘Exhibit B’, which demonstrates that the proposed siting location is within the EC1 zone (Exhibit B).

Staff finds that the bridge crossings and crossing support structures are an outright permitted use in the Estuary Conservation (EC1) Zone. Replacement of the pilings are subject to TCLUO Section 3.120 and Section 3.140, discussed below.

## **B. Section 3.120: Review of Regulated Activities**

**Findings:** The purpose of this section is to provide an assessment process and criteria for local review and comment on State and Federal permit applications which could potentially alter the integrity of the estuarine ecosystem. This project includes regulated activities which are subject to State and Federal permits. Notification of the application was provided to Federal and State agencies in accordance with the provisions outlined in TCLUO Section 3.120(8).

The applicant’s submittal includes a copy of the U.S. Army Corps of Engineers permit (Exhibit B). Comments were received from Department of State Lands (DSL) that determined the proposed project will require a wetland delineation if the project activity occurs outside the river and adjacent estuarine wetlands (Exhibit C). Oregon Department of Fish and Wildlife (ODFW) provided comments stating there was a prior approved variance on this project, and will work with the Applicants for the necessary request. ODFW also concluded that green concrete must be kept from reaching the waterway, including notification requirements if there is a release (Exhibit C).

Staff finds that the Army Corp Permit and comments from ODFW and DSL satisfies the development standards that must be addressed as part of the impact assessment outlined in TCLUO Section 3.120.

## **C. Section 3.140: Estuary Development Standards**

Applicable subsections:

- *Section 3.140(7): Fill in Estuarine Waters, Intertidal Areas and Tidal Wetlands*
- *Section 3.140(10): Land Transportation Facilities*
- *Section 3.140(14): Piling/Dolphin Installation*

**Findings:** The Applicant’s narrative addresses the relevant standards and subsections of TCLUO Section 3.140 (Exhibit B). The purpose of the project is to repair existing piles on the Tillamook River bridge (Exhibit B). Applicant describes the total amount of concrete to repair the existing piles is six (6) cubic yards (Exhibit B). Erosion control measures and timing of construction is addressed in the approved U.S. Army Corps of Engineers permit (Exhibit B). Applicant provided the required evaluation of the impact of proposed project on the area as required in Section 3.140(10)(i) and 3.140(14)(d) (Exhibit B).

Staff concludes these criteria have been met.

## **D. TCLUO Section 3.510 ‘Flood Hazard (FH) Overlay’**

(5) *GENERAL STANDARDS: In all areas of special flood hazards the following standards are required:*

...

### **ANCHORING**

(b) *All new construction and substantial improvements shall be anchored to prevent flotation, collapse or lateral movement of the structure.*

(c) All manufactured dwellings must likewise be anchored to prevent flotation, collapse or lateral movement, and shall be installed using methods and practices that minimize flood damage. Anchoring methods may include, but are not limited to, use of over-the-top or frame ties to ground anchors (See FEMA's "Manufactured Home Installation in Flood Hazard Areas" guidebook for techniques). A certificate signed by a registered architect or engineer which certifies that the anchoring system is in conformance with FEMA regulations shall be submitted prior to final inspection approval.

#### CONSTRUCTION MATERIALS AND METHODS

(d) All new construction and substantial improvements shall be constructed with materials and utility equipment resistant to flood damage.

(e) All new construction and substantial improvements shall be constructed using methods and practices that minimize flood damage.

(f) Electrical, heating, ventilation, plumbing, and air-conditioning equipment and other service facilities shall be elevated to prevent water from entering or accumulating within the components during conditions of flooding. In Flood Zones A, A1-A30, AE, V, V1-V30 or VE, such facilities shall be elevated three feet above base flood elevation. In Flood Zone AO, such facilities shall be elevated above the highest grade adjacent to the building, a minimum of one foot above the depth number specified on the FIRM (at least two feet above the highest adjacent grade if no depth number is specified).

...

#### (14) Development Permit Review Criteria

- (1) The fill is not within a Coastal High Hazard Area.
- (2) Fill placed within the Regulatory Floodway shall not result in any increase in flood levels during the occurrence of the base flood discharge.
- (3) The fill is necessary for an approved use on the property.
- (4) The fill is the minimum amount necessary to achieve the approved use.
- (5) No feasible alternative upland locations exist on the property.
- (6) The fill does not impede or alter drainage or the flow of floodwaters.
- (7) If the proposal is for a new critical facility, no feasible alternative site is available.
- (8) For creation of new, and modification of, Flood Refuge Platforms, the following apply, in addition to (14)(a)(1-4) and (b)(1-5):
  - i. The fill is not within a floodway, wetland, riparian area or other sensitive area regulated by the Tillamook County Land Use Ordinance.
  - ii. The property is actively used for livestock and/or farm purposes,
  - iii. Maximum platform size = 10 sq ft of platform surface per acre of pasture in use, or 30 sq ft per animal, with a 10-ft wide buffer around the outside of the platform,
  - iv. Platform surface shall be at least 1 ft above base flood elevation,
  - v. Slope of fill shall be no steeper than 1.5 horizontal to 1 vertical,
  - vi. Slope shall be constructed and/or fenced in a manner so as to prevent and avoid erosion.

**Findings:** Applicant submitted the required information on forms provided by the Community Development Department and as attachments thereto (Exhibit B). The Applicants site plan indicates the proposed development is located entirely within the AE Area of Special Flood Hazard of the Tillamook River. The Applicant's request is for repair of existing piles on an existing bridge. Staff find no alternative upland location exists for a bridge location to span the Tillamook River for Highway 131 (Exhibits A and B). The project area is tidally influenced and is not located within the regulatory Floodway. The Applicant details that the proposed fill amount for the concrete to repair the existing bridge piles is six (6) cubic yards and is the minimum necessary for the proposal (Exhibit B). Staff find the proposed materials to be utilized as concrete, which are materials resistant to flood damage.

Staff finds that these criteria are met.

**E. TCLUO Section 3.545 ‘Shoreland Overlay’**

In the vicinity of the proposed project, the Goal 17 element of the Tillamook County Comprehensive Plan identifies all areas within 1,000 feet of estuaries and 500 feet of coastal lakes as within the Shorelands Boundary which may be subject to the provisions of TCLUO Section 3.545, ‘SH Shoreland Overlay’. TCLUO Section 3.545 defines those areas within the Shorelands Boundary included within the Shoreland Overlay Zone. Relevant to the proposed development, TCLUO Section 3.545(2) identifies areas within 50 feet of estuaries as areas included in the Shorelands Overlay zone.

**Findings:** Staff finds that portions of the proposed bridge is located within the Shorelands Boundary as identified in the Goal 17 element of the Tillamook County Comprehensive Plan. Staff has reviewed the proposed development and determined that shoreland areas on the subject property are categorized as ‘Rural Shorelands’ as described in TCLUO 3.545(3) and are subject to the use limitations identified in TCLUO 3.545(4)(a)(1) and the standards identified in TCLUO 3.545(6). Staff has reviewed the significant shoreland inventory contained in the Goal 17 element of the Comprehensive Plan and has verified that there are no inventoried shorelands near the subject property.

*TCLUO Section 3.545(4) USES PERMITTED: Uses authorized by the underlying zone as outright or conditional uses are permitted, except at locations identified in (3) above.*

*(a) Rural Shorelands in General:*

*(1) Rural Shorelands uses are limited to:*

...  
*(f) Other uses are allowed only upon a finding by the County that such uses satisfy a need which cannot be accommodated at any alternative upland location, except in the following cases:*

...  
*TCLUO Section 3.545(6) STANDARDS: Uses within the SHORELAND OVERLAY ZONE are subject to the provisions and standards of the underlying zone and of this section. Where the standards of the SHORELANDS OVERLAY ZONE and the underlying zone conflict, the more restrictive provisions shall apply.*

*(a) Riparian vegetation shall be protected and retained according to the provisions outlined in Section 4.140, REQUIREMENTS FOR PROTECTION OF WATER QUALITY AND STREAMBANK STABILIZATION.*

*(b) Development in flood hazard areas shall meet the requirements of Section 3.510, FLOOD HAZARD OVERLAY ZONE.*

**Findings:** Staff finds the project is necessary and cannot be accommodated at an upload location and the bridge is existing (Exhibit B). The requirements of TCLUO Section 4.140 and 3.510 are addressed in this report.

Staff finds these criteria have been met.

**F. TCLUO Section 4.140, ‘Requirements for Protection of Water Quality and Streambank Stabilization’**

*1) The following areas of riparian vegetation are defined:*

*(a) Fifty (50) feet from lakes and reservoirs of one acre or more, estuaries, and the main stems of the following rivers where the river channel is more than 15 feet in width; Nestucca, Little Nestucca, Three Rivers, Tillamook, Trask, Wilson, Kilchis, Miami, Nehalem and North and South Fork Nehalem River.*

...

*For estuaries, all measurements are horizontal and perpendicular from the mean high water line or the line of non-aquatic vegetation, whichever is most landward. Setbacks for rivers, streams, and coastal lakes shall be measured horizontal and perpendicular from the ordinary high water line.*

- (2) All development shall be located outside of areas listed in (1) above, unless:  
(a) For a bridge crossing; or

**Findings:** The proposal is for replacement of existing piles on a bridge crossing over the Tillamook River (Exhibit B). The Applicant describes measures taken for erosion control timing of construction activities to address the site (Exhibit B).

Staff finds that these standards have been met.

## **V. DECISION: APPROVED WITH CONDITIONS**

Based on the findings shown above, Staff concludes that the Applicant has satisfied the review criteria, and can meet all applicable ordinance requirements at the time of application. Therefore, the Department approves Estuary Development Permit 851-23-000095-PLNG subject to the Conditions of Approval in section VI of this report.

**Appeal of this decision.** This decision may be appealed to the Tillamook County Planning Commission, who will hold a public hearing. The forms and fees must be filed in the office of this Department before **4:00 PM on August 28, 2023.**

## **VI. CONDITIONS OF APPROVAL:**

1. The Applicant/property owner shall obtain all required Federal, State, and Local permits and/or licenses and will comply with applicable rules and regulations.
2. The Applicant shall comply with the requirements of the USACE Application.
3. Development shall be as described on the provided plans and descriptions.
4. Development shall comply with the applicable standards of TCLUO Section 3.106, 'Estuary Conservation 1 (EC1)', TCLUO Section 3.510, 'Flood Hazard Overlay (FH) Zone' and TCLUO Section 4.140, 'Requirements for Protection of Water Quality and Streambank Stabilization', TCLUO Section 3.545 'Shoreland Overlay' and any other applicable standards.
5. The applicant/property owner shall comply with all 'Zone AE' flood hazard construction standards per FEMA requirements.
6. The fill shall comply with all Building Code requirements for Anchoring and Construction Materials and Methods for a structure located in the 'AE' flood zones.
7. This approval shall be void on August 16, 2025, unless construction of approved plans has begun, or an extension is requested from, and approved by this Department.

## **VII. EXHIBITS**

All Exhibits referred to herein are, by this reference, made a part hereof:

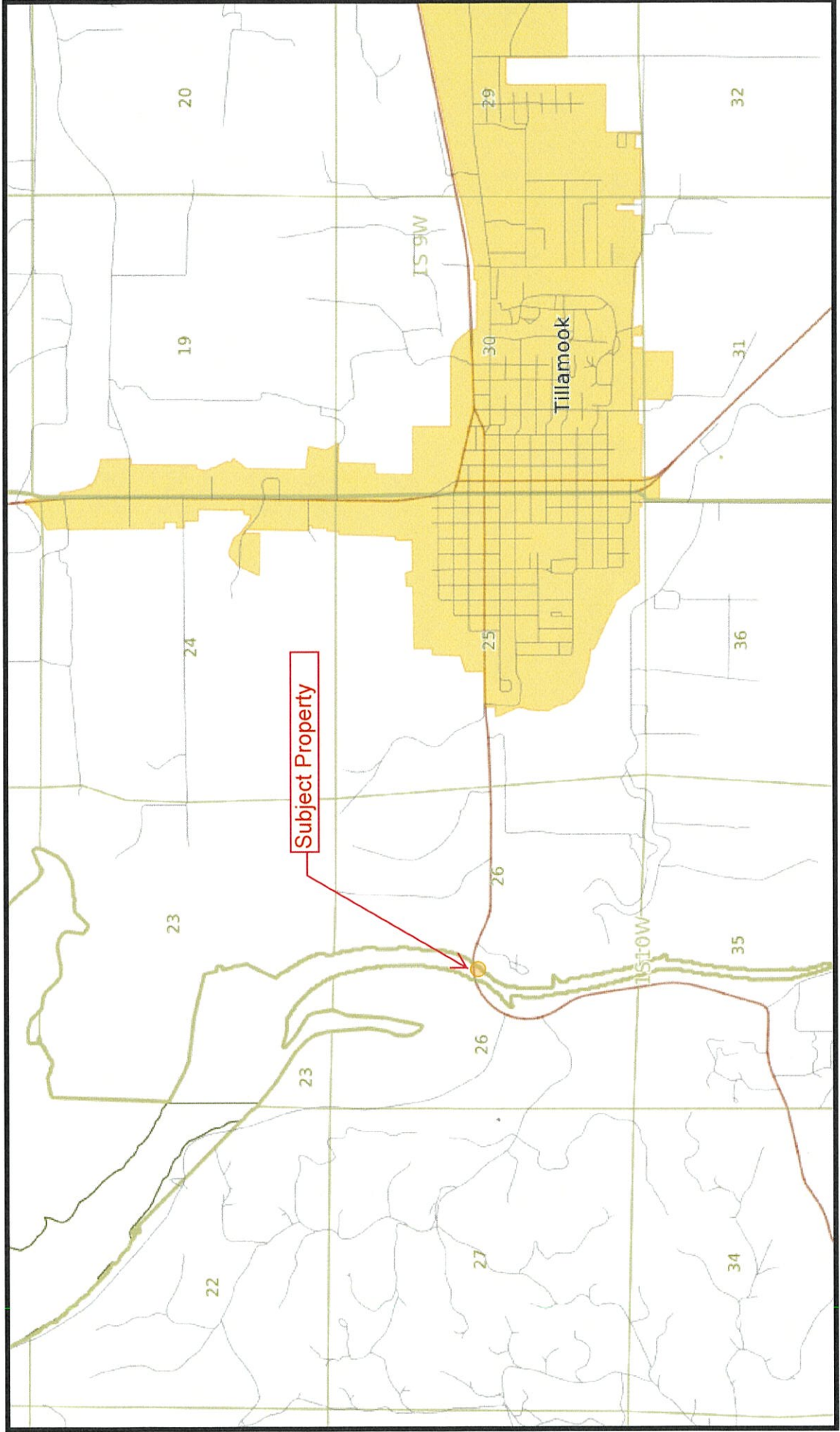
- A. Location map, Assessor map, Zoning map, FEMA FIRM, NWI Wetlands map
- B. Applicant's submittal
- C. Public Comments



# EXHIBIT A



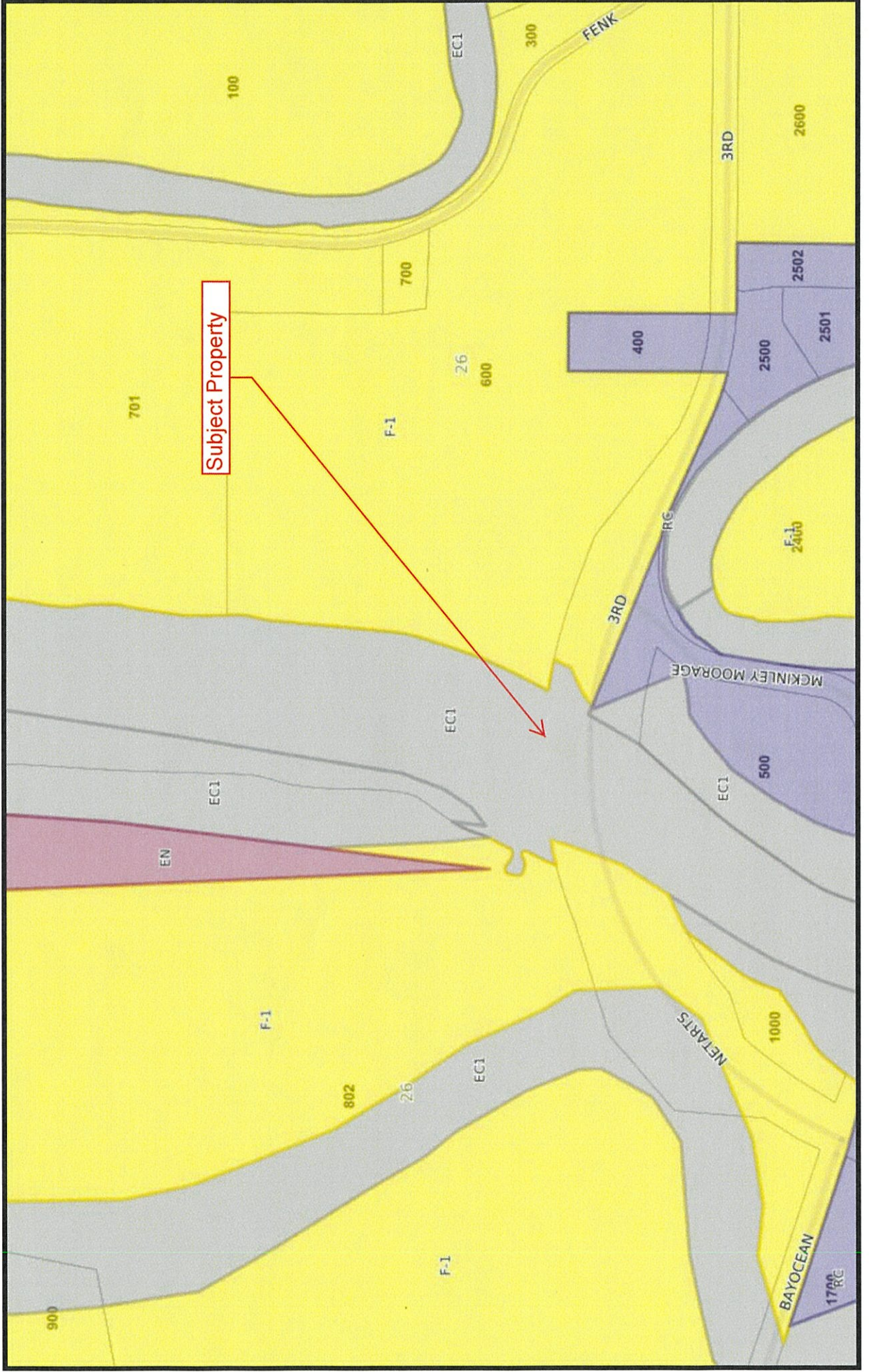
# Tillamook County GIS



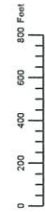


# Tillamook County GIS

## Zoning Map



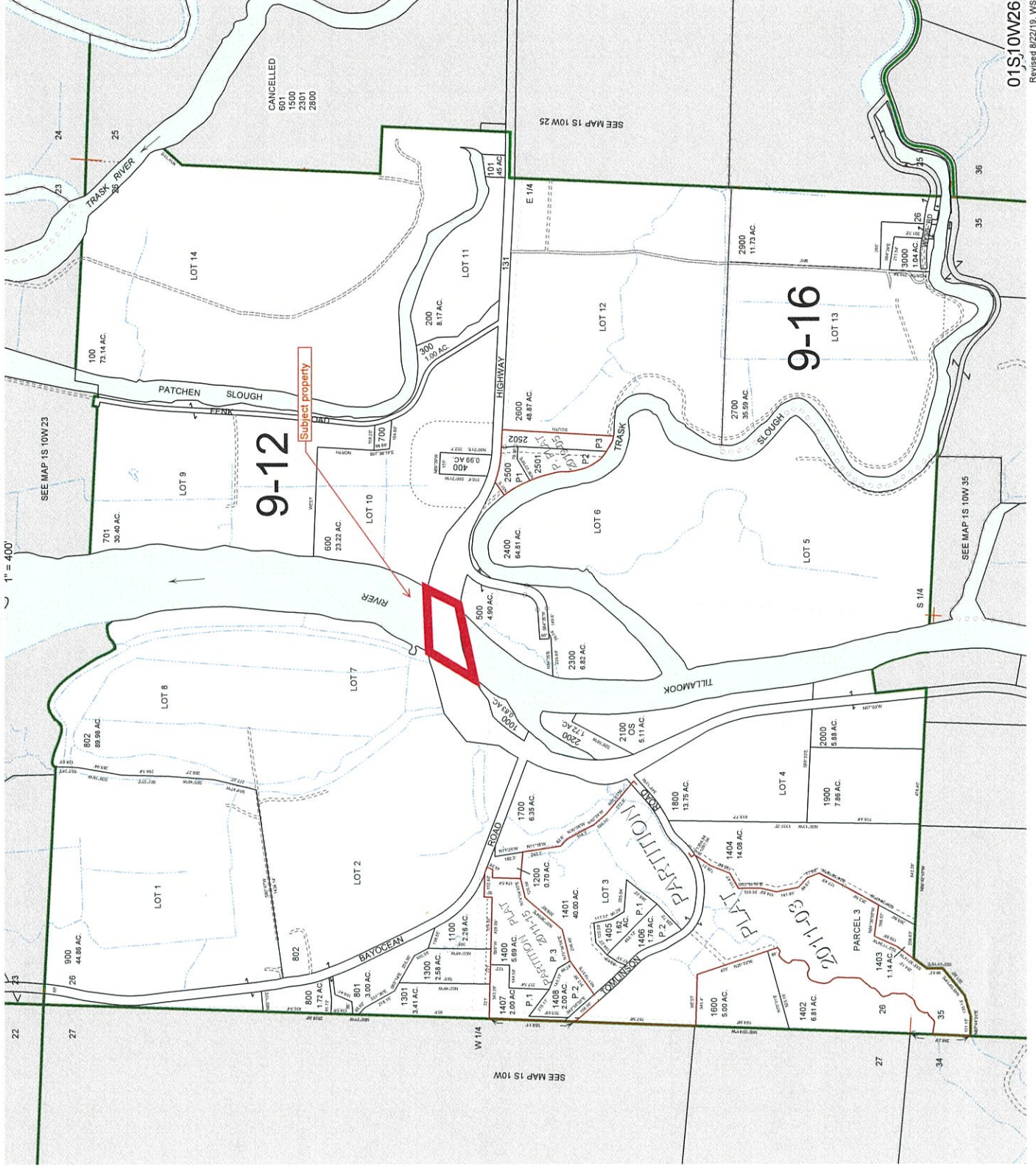
THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSE ONLY



SECTION 26 T.1S. R.10W. W.M.  
TILLAMOOK COUNTY

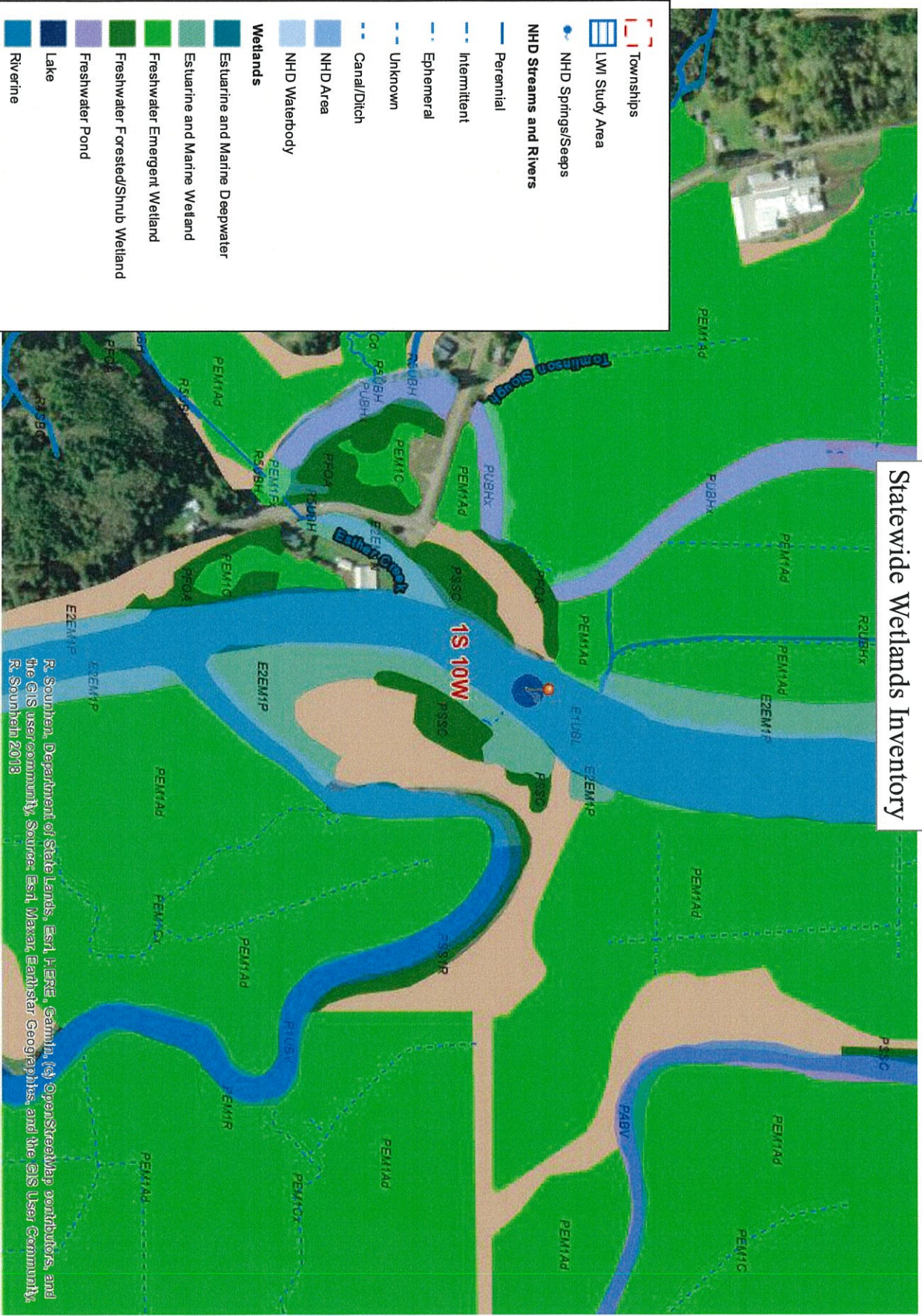
1" = 400'

01S10W26



01S10W26  
Revised 9/22/19, WS

# Statewide Wetlands Inventory



- Townships
- LWI Study Area
- NHD Springs/Seeps
- NHD Streams and Rivers
- Perennial
- - - Intermittent
- - - Ephemeral
- - - Unknown
- - - Canal/Ditch
- NHD Area
- NHD Waterbody
- Wetlands**
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Riverine
- SWI Predominantly Hydric Soil Map Units
- SWI Agate-Wirlo Soils

The Statewide Wetlands Inventory (SWI) represents the best data available at the time this map was published and is updated as new data become available. In all cases, actual field conditions determine the presence, absence and boundaries of wetlands and waters (such as creeks and ponds). An onsite investigation by a wetland professional can verify actual field conditions.

State of Oregon  
 Department of State Lands  
 775 Summer Street, NE, Ste 100  
 Salem, OR 97301-1279  
 (503) 986-5200



Date: 6/22/23

R. Souther, Department of State Lands, Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS User Community  
 Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community  
 R. Souther 2013

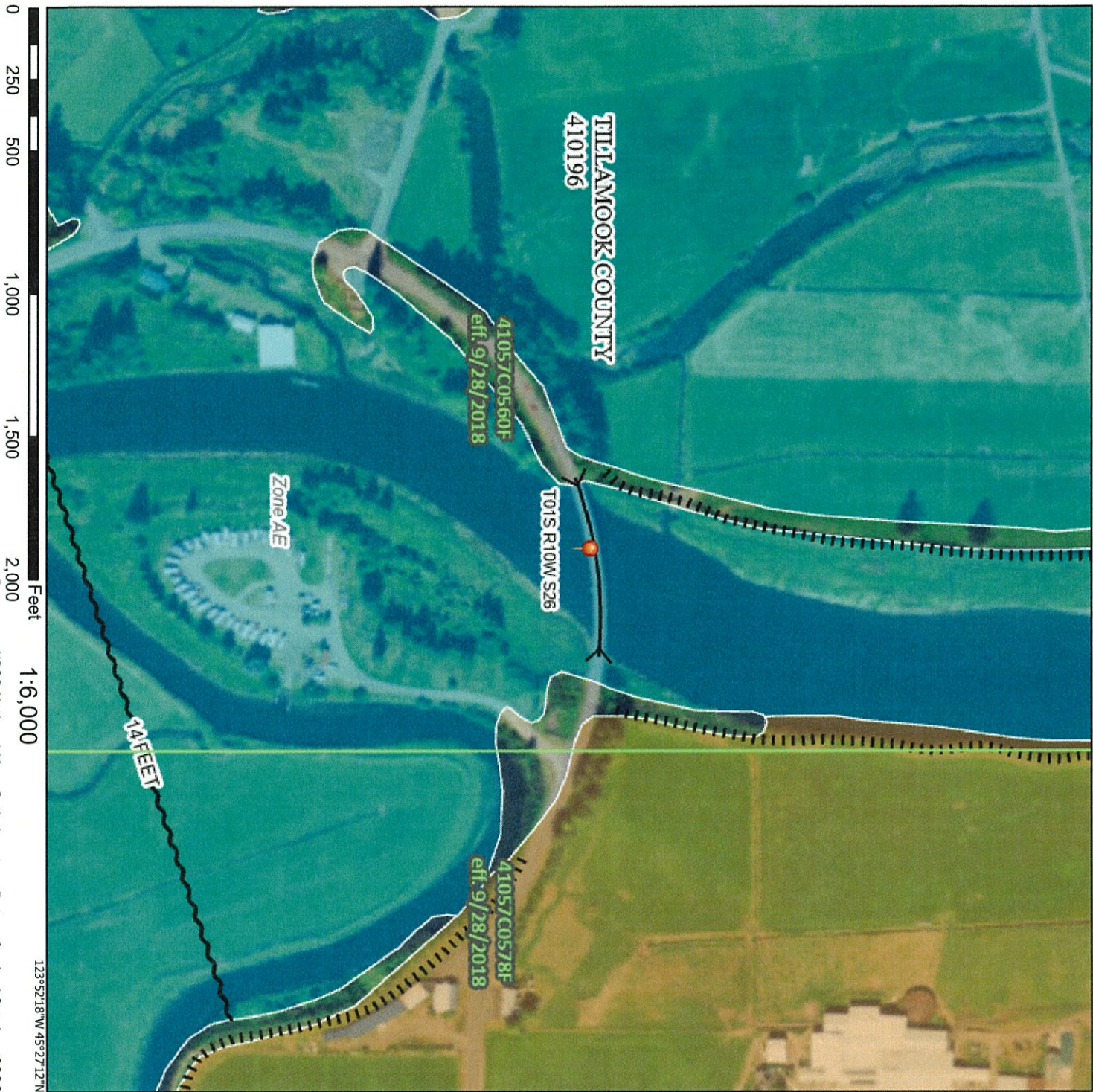
1 inch = 0.14 miles

0 0.05 0.1 0.2 0.3 0.4 mi

http://www.oregon.gov/dsl/WWI/Pages/6\_VII.aspx

# National Flood Hazard Layer FIRMette

123°52'56"W 45°27'37"N



## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

**SPECIAL FLOOD HAZARD AREAS**

- Without Base Flood Elevation (BFE)  
Zone A, V, A99
- With BFE or Depth Zone AE, AO, AH, VE, AR
- Regulatory Floodway

**OTHER AREAS OF FLOOD HAZARD**

- 0.2% Annual Chance Flood Hazard. Area of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile (Zone X)
- Future Conditions 1% Annual Chance Flood Hazard (Zone X)
- Area with Reduced Flood Risk due to Levee. See Notes, Zone X
- Area with Flood Risk due to Levee (Zone D)

**OTHER AREAS**

- NO SCREEN Area of Minimal Flood Hazard (Zone X)
- Effective LOMRS

**GENERAL STRUCTURES**

- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

**OTHER FEATURES**

- Cross Sections with 1% Annual Chance Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

**MAP PANELS**

- Digital Data Available
- No Digital Data Available
- Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **6/2/2023 at 4:24 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

# **EXHIBIT B**



## DEVELOPMENT PERMIT

**Applicant**  (Check Box if Same as Property Owner)

Name: ODOT (Caroline Crisp). Phone: 503-313-6812  
 Address: 350 W Marine Dr  
 City: Astoria State: OR Zip: 97103  
 Email: Caroline Cirsp@odot.oregon.gov.

**Property Owner**

Name: Phone:  
 Address:  
 City: State: Zip:  
 Email:

OFFICE USE ONLY	
Date Stamp	
<input type="checkbox"/> Approved <input type="checkbox"/> Denied	
Received by:	
Receipt #: 131186	
Fees: 1600.-	
Permit No: 851-23 - 00095-PLNG	

**Description of Work:** Proposed maintenance work on an existing state highway bridge. Description of work includes repairing 6 timber piles. Rotten sections will be removed by embedding a circular steel tube 2-feet below the ground surface. The tube would be backfilled with concrete to serve as a support. Rotten sections will be removed and new parts spliced onto the bridge piles. A floating platform will be used to access the piles.

**Location:**

Site Address: OR 131 (Netarts Highway) at MP 7.49. State ROW.  
 Map Number: 01S 10W 26 State ROW  
Township Range Section Tax Lot(s)

**Complete all applicable fields:**

Regulatory Floodway:	Estuary: <input checked="" type="checkbox"/>	Floodplain:	
New: <input type="checkbox"/>	Addition: <input type="checkbox"/>	Replacement: <input type="checkbox"/>	Remodel: <input type="checkbox"/> Demolish: <input type="checkbox"/>
Dwelling: Bridge		Accessory Structure:	
Culvert Diameter:		Bridge Length: 650 ft.	
Length:		Width: 31.2 ft.	
Fence Height:		Retaining Wall Height:	
Streambank Stabilization:		Other: Bridge Maintenance	
Fill/Removal/Grading: 24 CY		Vegetation Removal: 0 CY	

**Flood Insurance Rate Map (FIRM) Panel Info**

Tillamook County	Panel Number: 41057C _____
Effective Date:	Property Flood Zone(s):
Floodway: Y N	Project Flood Zone(s):
Stream/Waterbody Name:	

**Elevation Data (NAVD 88)**

Base Flood Elevation:	First Habitable Floor:
Lowest Floor/Horizontal Member:	
Enclosed Area:	Flood Vent Area:

Structure/Damage \$: N/A	5 Year Construction \$:
<b>Substantial improvement/damage threshold 50% cost vs. value</b>	

**Other Required Permits**

COE	DEQ	

**Authorization**

This permit application does not assure permit approval. The applicant and/or property owner shall be responsible for obtaining any other necessary federal, state, and local permits. The applicant verifies that the information submitted is complete, accurate, and consistent with other information submitted with this application.

Property Owner Signature (Required) \_\_\_\_\_ Date \_\_\_\_\_

Applicant Signature \_\_\_\_\_ Date \_\_\_\_\_



## Land Use Compatibility Statement

Prepared for the Tillamook County, OR – April 23, 2020

The Oregon Department of Transportation (ODOT) has requested that Tillamook County (1) determine whether the above referenced project is consistent with the County's comprehensive plan, and (2) identify the land use approvals and development permits that will be required. The response is provided below. <sup>1</sup>

### A. Consistency with comprehensive plan <sup>2</sup>

- Project is consistent with comprehensive plan  
 Project is not consistent with comprehensive plan

### B. Land use approvals and development permits required

- Plan Amendment  
 Conditional Use Permit  
 Other Permits:  
 Zone Change  
 Development Permit  
 None

(Please list in Comments)

Estuary + Floodplain Type II Development Permit

### C. Comments

1. Development Regulated under TCUUD Section 3.106 + Section 3.510
  2. EC I zone requires review with standards per TCUUD Sections 3.120  
3.140
  3. Estuary Development Permit is Type II Review per TCUUD Art. 10
- \* Area is tidally influenced + is not Floodway.

### D. Certification

Sarah Absher

Planning Manager/Director

Tillamook County

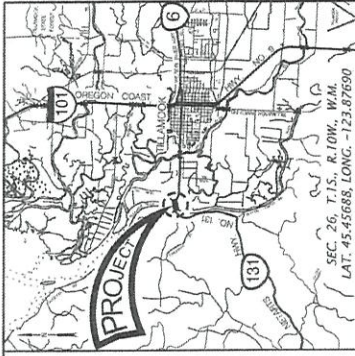
June 23, 2020

Date

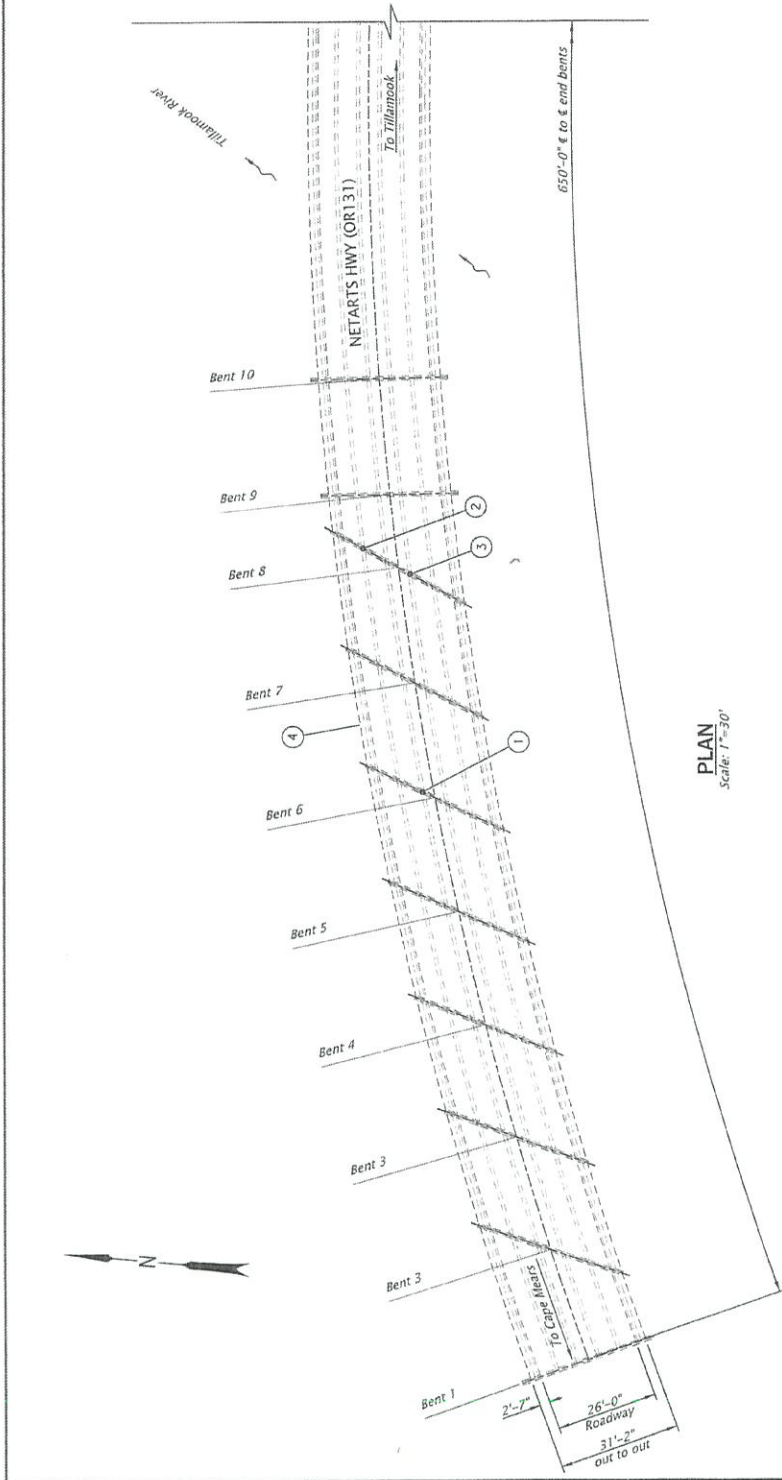
\* Consistency with CZMA may be required.  
Please call DCO for Confirmation

<sup>1</sup> This form was prepared by ODOT to comply with OAR 731-015. It may be modified by the responding local jurisdiction as they deem necessary. ODOT may present these findings to other regulatory agencies to satisfy the review requirements of those agencies.

<sup>2</sup> Projects identified in a locally-adopted Transportation System Plan are considered to be consistent with the comprehensive plan. (The TSP is an element of the comp plan.) Roadway maintenance and minor improvements, which are not typically identified in a TSP, are also considered to be consistent.



LOCATION MAP  
No Scale



PLAN  
Scale: 1"=30'

- WORK ITEMS:**
- 1 Repair Bent 6 Pile 3, see sheet J02.
  - 2 Repair Bent 8 Pile 2, see sheet J02.
  - 3 Repair Bent 8 Pile 4, see sheet J02.
  - 4 Repair line bracing, spans 6 and 14.

**GENERAL NOTES:**

Provide all materials and perform all work according to the Oregon Standard Specifications for Construction 2018.

Repair designed in accordance with the Seventh Edition of the 2014 AASHTO LRFD Bridge Design Specifications and ODOT BDM with the following Live Loads:

Strength II Limit State:  
 ODOT Type STP-4D Permit Truck  
 ODOT Type STP-4E Permit Truck  
 ODOT Type STP-5BW Permit Truck

For No Live Load, Strength IV Limit State.

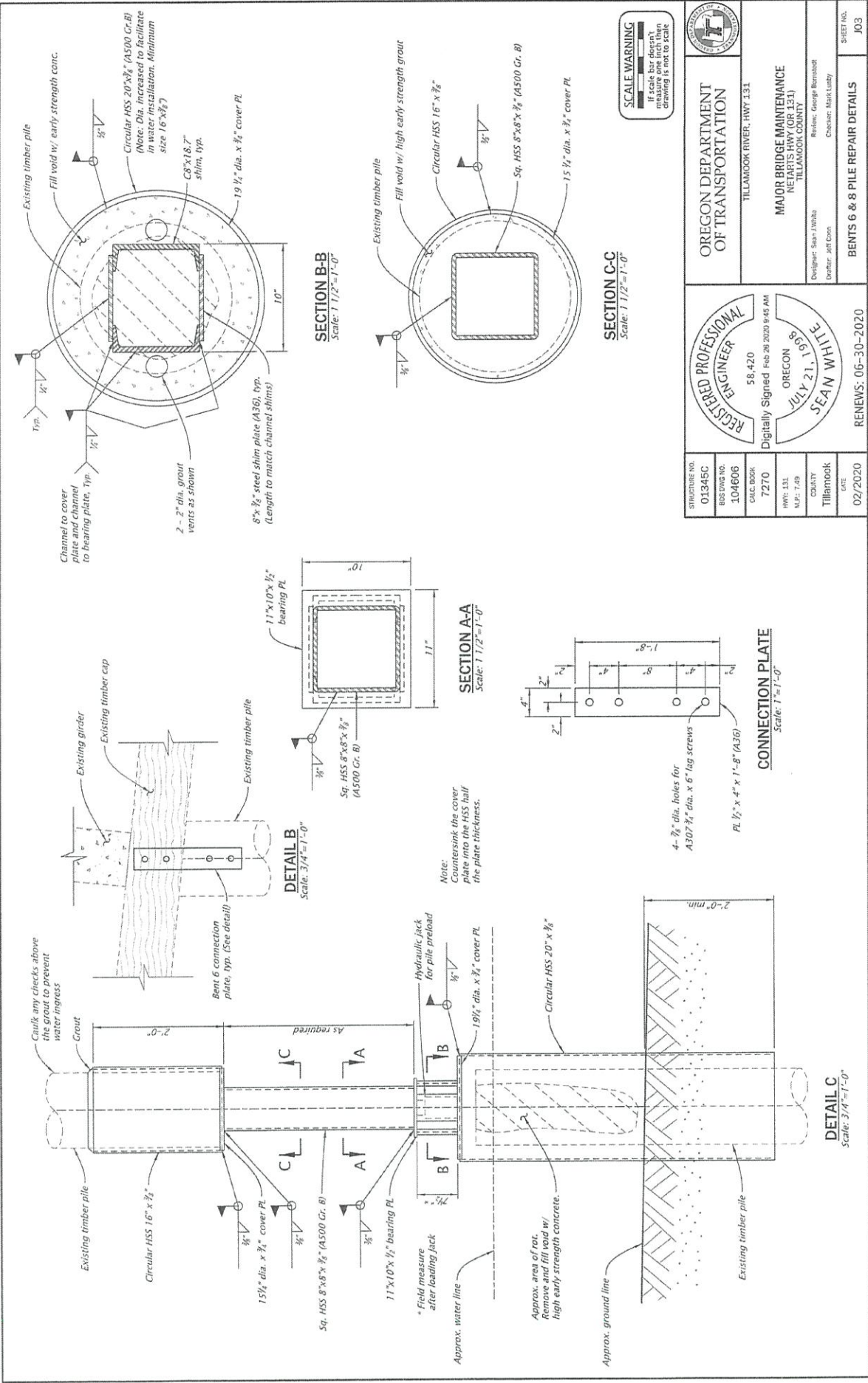
Provide ASTM A36 structural steel unless specified on plans.

Produce welds according to the latest edition of AWS D1.1.

Provide fasteners according to ASTM A307 Gr. A, unless otherwise specified on plans. Hot-dip galvanize after fabrication.

**SCALE WARNING**  
 A scale bar does not mean that the drawing is not to scale

STRUCTURE NO. 01345C	DESIGN NO. 104604	DATE 02/2020	PROJECT NO. 7270	DATE 02/2020
HWY: 131	M.P.: 7.49	COUNTY Tillamook	PROJECT NAME TILLAMOOK RIVER, HWY 131	DESIGNER JEFF COON
MAJOR BRIDGE MAINTENANCE NETARTS HWY (OR131) TILLAMOOK COUNTY			REVISIONS: Reviser: George Bernhardt Designer: Mark Lusty	
PLAN AND GENERAL NOTES				SHEET NO. J01





## DEVELOPMENT PERMIT

OFFICE USE ONLY	
Date Stamp	
<input type="checkbox"/> Approved <input type="checkbox"/> Denied	
Received by:	
Receipt #:	
Fees:	
Permit No: 851-____-____-PLNG	

**Applicant**  (Check Box if Same as Property Owner)

Name: ODOT (Caroline Crisp). Phone: 503-313-6812  
 Address: 350 W Marine Dr  
 City: Astoria State: OR Zip: 97103  
 Email: Caroline.Cirsp@odot.oregon.gov.

**Property Owner**

Name: Phone:  
 Address:  
 City: State: Zip:  
 Email:

**Description of Work:** Proposed maintenance work on an existing state highway bridge. Description of work includes repairing 6 timber piles. Rotten sections will be removed by embedding a circular steel tube 2-feet below the ground surface. The tube would be backfilled with concrete to serve as a support. Rotten sections will be removed and new parts spliced onto the bridge piles. A floating platform will be used to access the piles.

**Location:**

Site Address: OR 131 (Netarts Highway) at MP 7.49. State ROW.

Map Number:	01S	10W	26	State ROW
	Township	Range	Section	Tax Lot(s)

**Complete all applicable fields:**

Regulatory Floodway:	Estuary:	<input checked="" type="checkbox"/>	Floodplain:	
New:	Addition:	Replacement:	Remodel:	Demolish:
Dwelling: Bridge NA	Accessory Structure: NA			
Culvert Diameter: NA	Bridge Length: 650 ft.			
Length: NA	Width: 31.2 ft.			
Fence Height: NA	Retaining Wall Height: NA			
Streambank Stabilization: NA	Other: Bridge Maintenance			
Fill/Removal/Grading: 24 CY	Vegetation Removal: 0 CY			

Structure/Damage \$: N/A	5 Year Construction \$: NA
<i>Substantial improvement/damage threshold 50% cost vs. value</i>	

**Flood Insurance Rate Map (FIRM) Panel Info**

Tillamook County	Panel Number: 41057C05604
Effective Date: 9/28/2018	Property Flood Zone(s): AE
Floodway: N	Project Flood Zone(s): NA
Stream/Waterbody Name: Tillamook River	

**Elevation Data (NAVD 88)**

Base Flood Elevation: 14	First Habitable Floor: NA
Lowest Floor/Horizontal Member: NA	
Enclosed Area: NA	Flood Vent Area: NA

**Other Required Permits**

COE	DEQ	
NWP #3	401 Certificate	

**Authorization**

This permit application does not assure permit approval. The applicant and/or property owner shall be responsible for obtaining any other necessary federal, state, and local permits. The applicant verifies that the information submitted is complete, accurate, and consistent with other information submitted with this application.

**Caroline Crisp**

Digitally signed by Caroline Crisp  
 Date: 2023.05.22 16:38:46 -07'00'

Property Owner Signature (Required)

Date

**Caroline Crisp**

Digitally signed by Caroline Crisp  
 Date: 2023.05.22 16:39:02 -07'00'

Applicant Signature

Date

**TLCUO SECTION 3.510(14)(b) Development Permit Review Criteria:**

(1) The fill is not within a Coastal High Hazard Area.

i. This is correct, the fill is not within a Coastal High Hazard Area.

(2) Fill placed within the Regulatory Floodway shall not result in any increase in flood levels during the occurrence of the base flood discharge.

i. It is a repair of the piling, no additional surface area. Not creating any increased capacity to flood.

(3) The fill is necessary for an approved use on the property.

i. Yes, the fill is necessary and an approved use. The bridge needs repair.

(4) The fill is the minimum amount necessary to achieve the approved use.

i. Yes, the fill is in the minimum amount necessary to achieve the approved use.

(5) No feasible alternative upland locations exist on the property.

i. No, it is a bridge so it will inherently be in the floodplain. No feasible alternatives.

(6) The fill does not impede or alter drainage or the flow of floodwaters.

i. No, the fill does not impede or alter drainage or flow of waters. A pair of pilings no additional surface area.

(7) If the proposal is for a new critical facility, no feasible alternative site is available.

i. No critical facility is being built.

(8) For creation of new, and modification of, Flood Refuge Platforms, the following apply, in addition to (14)(a)(1-4) and (b)(1-5):

**This project will not create or modify a flood refuge Platform.**

i. The fill is not within a floodway, wetland, riparian area or other sensitive area regulated by the Tillamook County Land Use Ordinance

ii. The property is actively used for livestock and/or farm purposes,

iii. Maximum platform size = 10 sq ft of platform surface per acre of pasture in use, or 30 sq ft per animal, with a 10-ft wide buffer around the outside of the platform,

iv. Platform surface shall be at least 1 ft above base flood elevation,

v. Slope of fill shall be no steeper than 1.5 horizontal to 1 vertical,

vi. Slope shall be constructed and/or fenced in a manner so as to prevent and avoid erosion.

Conditions of approval may require that if the fill is found to not meet criterion (5), the fill shall be removed or, where reasonable and practical, appropriate mitigation measures shall be required of the property owner. Such measures shall be verified by a certified engineer or hydrologist that the mitigation measures will not result in a net rise in floodwaters and be in coordination with applicable state, federal and local agencies, including the Oregon Department of Fish and Wildlife.

Exhibit A:  
Supporting  
Documents

## Narrative: Tillamook River Bridge Repair - Hwy 131

(Please see application page and plan set for approximate location of repair)

### Description:

1. Nature of Activity- This ODOT maintenance project will repair 6 timber piles (within 5 bents) on the current serviceable structure. The work entails splicing the timber piles, so that the rotten sections can be removed and repaired. This will be achieved by embedding a circular, steel tube approximately 2-feet below the ground surface. The 15 3/4" diameter steel sleeve would be then back-filled with concrete to serve as the base support for the repaired piles. Work below the highest measured tide includes pushing the steel tube into the ground with a hydraulic jack and removing mud. Fill is limited to concrete poured inside the steel tube. There is 4 ft.2 of discharge (concrete) per pile (total of around 24 ft.2 for the 6 piles). Volume impacts would be 1 cy per pile (around 6 cy for the 6 piles). Since the bents are in the river, a floating dock is needed to access the piles. The dock involves a non-treated wood frame with a plywood deck, which will be floated on the water during low tides. Access will be from the bridge with no causing no impacts to the adjacent mud flats/salt marshes. The project will take about 21-days to complete with approximate 3 hour shifts during the low tides.
2. Project Purpose - The purpose of the project is to repair failing bridge components to avoid load restrictions, while maintaining a safe highway system for the traveling public.
3. Description of Avoidance, Minimization, and Compensation - The project will repair rotten timber piles, which will not result in modifications that changes the character, scope, or size of the existing structure. To minimize ground disturbance, a floating dock would be used to place the steel tube and repair the piles. All staging and construction materials will be on the existing bridge. Construction of the project will occur in one season during the extended ODFW in-water work period to minimize disturbances. To avoid inadvertent discharges, erosion control features will be used during construction. Compensation mitigation will not be needed due the negligible loss of Waters of the US.



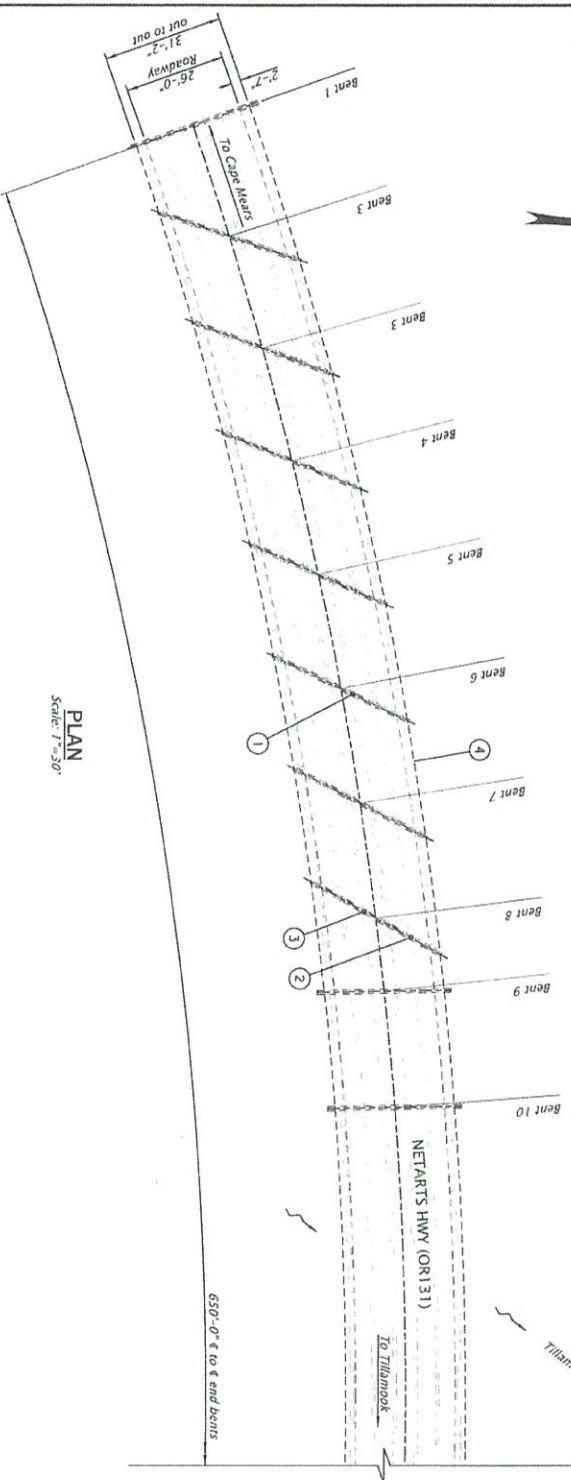
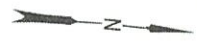


Streets

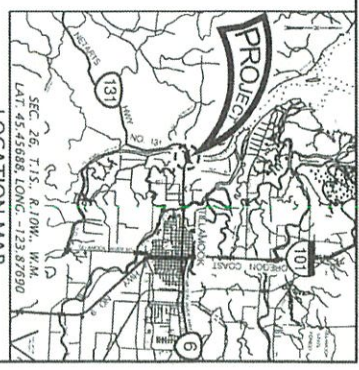
POWERED BY  
**esri**

USGS The National Map: Orthoimagery Data refreshed Decem...

<b>PIN</b>		Approximate location based on user input and does not represent an authoritative property location
<b>MAP PANELS</b>	Selected Floodmap Boundary Digital Data Available No Digital Data Available Unmapped	Area of Minimal Flood Hazard Zone X Effective LOMIRS Area of Undetermined Flood Hazard Zone 2 Otherwise Protected Area Coastal Barrier Resource System Area
<b>OTHER AREAS</b>		
<b>SPECIAL FLOOD HAZARD AREAS</b>	Without Base Flood Elevation (BFE) Zone A, V, AP3 With BFE or Depth Regulatory Floodway Zone AE, AO, AH, A	0.2% Annual Chance Flood Hazard Zone 1 1% annual chance flood with avert depth less than one foot or with drain areas of less than one square mile Zone 2 Future Conditions 1% Annual Chance Flood Hazard Zone 3 Area with Reduced Flood Risk due to Levee. See Notes. Zone 2 Area with Flood Risk due to Levee Zone D
<b>OTHER AREAS OF FLOOD HAZARD</b>		
<b>OTHER FEATURES</b>	Jurisdiction Boundary Coastal Transect Baseline Profile Baseline Hydrographic Feature	Channel, Culvert, or Storm Sewer Levee, Dike, or Floodwall
<b>GENERAL STRUCTURES</b>		
<b>CROSS SECTIONS</b>	20.2 17.5 15.0 12.5 10.0 7.5 5.0 2.5	Cross Sections with 1% Annual Chance Water Surface Elevation Coastal Transect Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary Coastal Transect Baseline Profile Baseline Hydrographic Feature Channel, Culvert, or Storm Sewer Levee, Dike, or Floodwall



**PLAN**  
Scale: 1"=30'



**GENERAL NOTES:**

Provide all materials and perform all work according to the Oregon Standard Specifications for Construction 2018.  
 Repair designed in accordance with the seventh Edition of the 2014 AASHTO LRFD Bridge Design Specifications and ODOT BDW with the following Live Loads:  
 Strength II Limit State:  
 ODOT Type STR-40 Permit Truck  
 ODOT Type STR-45 Permit Truck  
 ODOT Type STR-50W Permit Truck  
 For No Live Load, Strength IV Limit State.  
 Provide ASTM A36 structural steel unless specified on plans.  
 Produce welds according to the latest edition of AWS D1.1.  
 Provide fasteners according to ASTM A307 Gr. A, unless otherwise specified on plans. Hot-dip galvanize after fabrication.

**WORK ITEMS:**

- ① Repair Bent 6 Pile 3, see sheet J02.
- ② Repair Bent 8 Pile 2, see sheet J02.
- ③ Repair Bent 8 Pile 4, see sheet J02.
- ④ Repair pile bracing, spans 6 and 14.

B:\R01345C\M8M19-176\_J01.dgn :: Default-Sheet 2/26/2020 8:40:38 AM hwy64u

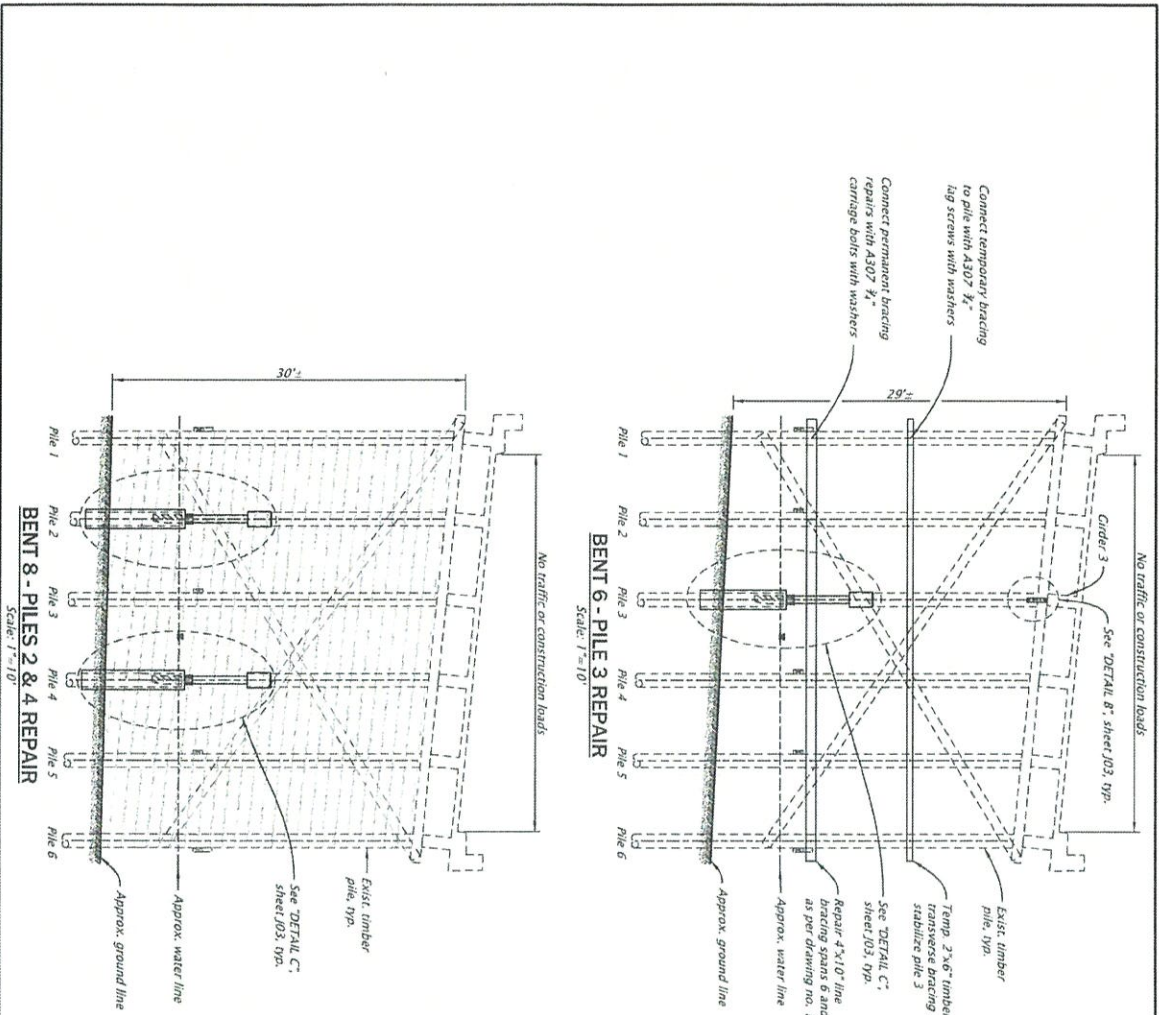
STRUCTURE NO.	03345C
BDS DWG NO.	104504
DATE	02/20/20
DATE	02/20/20
CONTRACT	Tillamook
CONTRACT	Tillamook
CONTRACT	Tillamook
CONTRACT	Tillamook

REGISTERED PROFESSIONAL ENGINEER  
 58,420  
 OREGON STATE BOARD OF ENGINEERS  
 JULY 21, 1998  
 SEAN WHITE  
 RENEWS: 06-30-2020

OREGON DEPARTMENT OF TRANSPORTATION  
 TILLAMOOK RIVER, HWY 131  
 MAJOR BRIDGE MAINTENANCE  
 PROJECT NO. 19-015 (RFP 1231)  
 TILLAMOOK COUNTY  
 Designer: Sean White  
 Checker: Mark Lundy  
 PLAN AND GENERAL NOTES  
 SHEET NO. J01

**SCALE WARNING**  
 If scale bar doesn't match drawing is not to scale

Rotation: 0° Scale: 1"=30'



**BENT 6 - PILE 3 REPAIR**  
Scale: 1"=10'

**BENT 8 - PILES 2 & 4 REPAIR**  
Scale: 1"=10'

STRUCTURE NO.	01345C
DWG FILE NO.	104605
CALC BOOK	7270
HWY 131	
M.F. 7-59	
COUNTY	TILLAMOOK
DATE	02/20/20

REGISTERED PROFESSIONAL ENGINEER  
58,420  
Digitally Signed Feb 20 2020 9:45 AM  
U/LY 21, 1989  
OREGON  
SEAN WHITE  
RENEW: 06-30-2020

OREGON DEPARTMENT OF TRANSPORTATION  
TILLAMOOK RIVER, HWY 131  
MAJON BRIDGE MAINTENANCE  
N. 231  
TILLAMOOK COUNTY

DESIGNED: Sean White  
DRAWN: Jeff Odom  
CHECKED: Mark Cuddy  
BENTS 6 & 8 PILE REPAIR

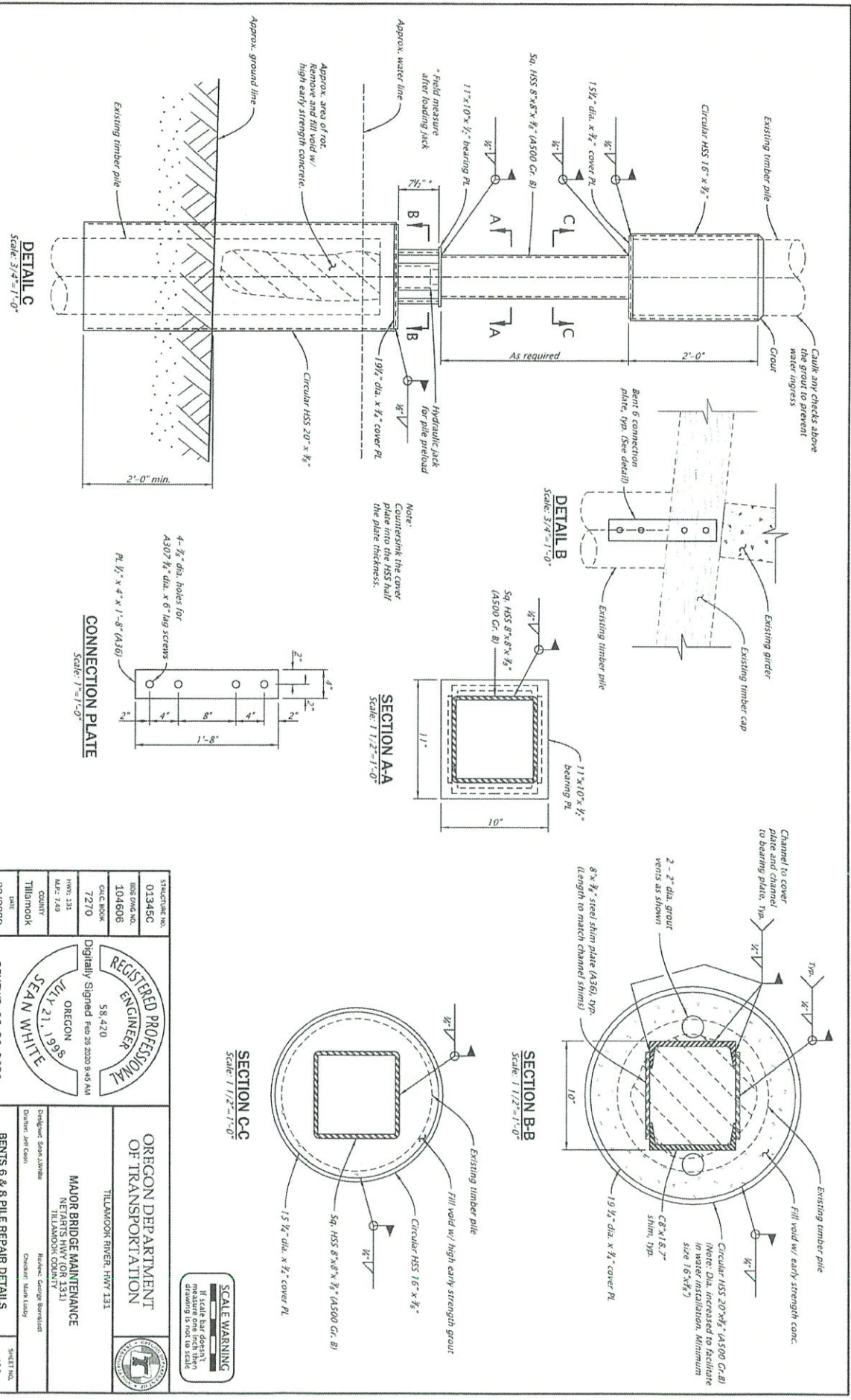
SHEET NO. 102

**SCALE WARNING**  
If scale bar doesn't match drawing, drawing is not to scale

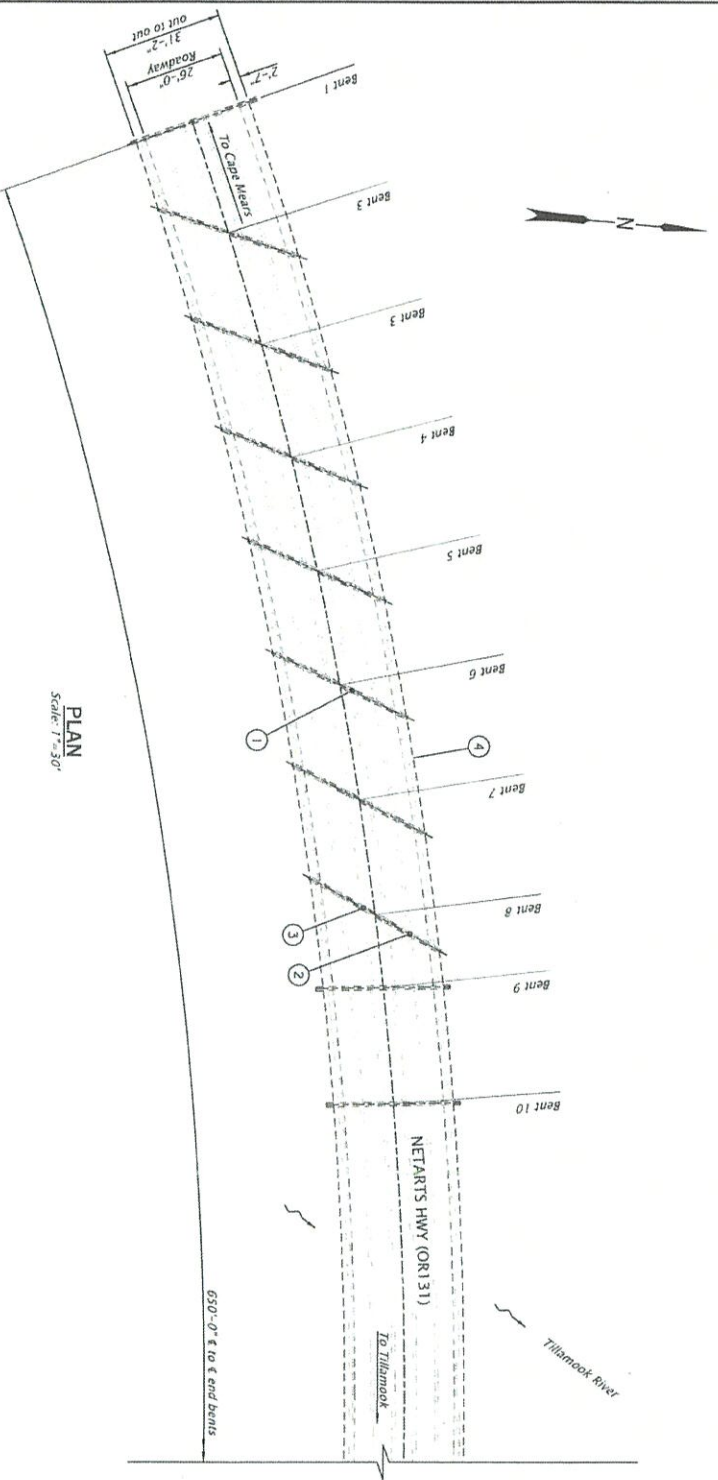
**Pile Pretold Table (20 ton Jack)**

Bent No	Pile No	1081	1091
6	3	25,000	6,300
8	2	25,000	6,300
8	4	25,000	6,300

- PILE REPAIR GENERAL NOTES (Bents 6 & 8 similar)**
- Traffic control must be in place as noted prior to proceeding with step 3.
  - Drill the portion of exposed pile to verify that a 2" (minimum) solid timber shell remains.  
-If there is less than a 2" solid shell remaining, contact the engineer or record.
  - At Bent 6, install connection plate (see DETAIL B', sheet J03) and temporary bracing.
  - Cut and remove a portion of existing timber pile as shown.
  - Place oversized steel pipe pile over existing timber and use hydraulic jack to embed 2' minimum into stream bed.
  - Pump water out from inside of steel pipe pile.
  - Remove all of the remaining rotten timber core. Treat remaining timber with borate rod or copper naphthenate from GPE.
  - Fill voids with high early strength concrete. Use steel rod to ensure proper consolidation. Leave a gap to facilitate welding of cover plate.
  - Use steel cast pipe to complete the pour. Wait for concrete strength to reach 2500 psi before preloading pile.
  - Use split cast pipe to complete the pour. Wait for concrete strength to reach 2500 psi before preloading pile.
  - Field weld square HSS pile to upper steel pile splice.
  - Set 20 ton hydraulic jack between bearing plates and pretold the pile, see table.
  - Field measure, cut, and weld in place channel shims. Ensure tight fit with good bearing.
  - Undo and remove hydraulic jack.
  - Field weld 3/8" slim plates. Plates shall be same height as channel shims.
  - Remove all remaining timber core, clean casing and timber pile with root-kill.
  - Shrink gravel. Slope top of gravel to shed water away from timber.



STRUCTURE NO. 03345C	DESIGN NO. 104606	DATE 02/2020
CLC ROOM 7270	HWY 131 M.P. 7.49	QUARTY TILLAMOOK
REGISTERED PROFESSIONAL ENGINEER SEAN WHITE OREGON No. 58,470 Digitally Signed Feb 20 2020 9:45 AM 2/11/21, 11:05 AM		
OREGON DEPARTMENT OF TRANSPORTATION TILLAMOOK RIVER, HWY 131		MAJOR BRIDGE MAINTENANCE NORTH TILLAMOOK COUNTY
Designer: Steve Jambra Checker: Matt Luby		BENTS 6 & 8 PILE REPAIR DETAILS SHEET NO. 103



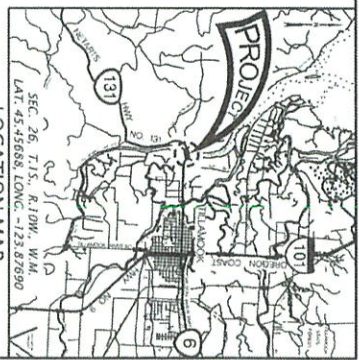
**PLAN**  
Scale: 1"=30'

**GENERAL NOTES**

Provide all materials and perform all work according to the Oregon Standard Specifications for Construction 2018.  
 Repair designed in accordance with the Seventh Edition of the 2014 AASHTO LRFD Bridge Design Specifications and ODOT BDM with the following Live Loads:  
 Strength II Limit State  
 ODOT Type ST7-40 Permit Truck  
 ODOT Type ST7-4E Permit Truck  
 ODOT Type ST7-58W Permit Truck  
 For No Live Load, Strength IV Limit State.  
 Provide ASTM A36 structural steel unless specified on plans.  
 Produce welds according to the latest edition of AWS D1.1.  
 Provide fasteners according to ASTM A307 Gr. A, unless otherwise specified on plans. Hot-dip galvanize after fabrication.

**WORK ITEMS**

- ① Repair Bent 6 Pile 3, see sheet J02.
- ② Repair Bent 8 Pile 2, see sheet J02.
- ③ Repair Bent 8 Pile 4, see sheet J02.
- ④ Repair live bracing, spans 6 and 14.

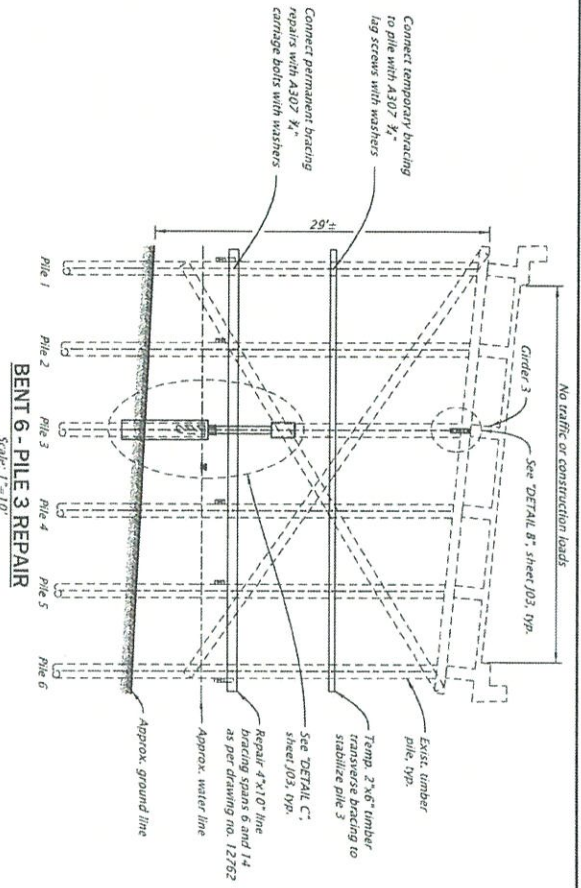


STRUCTURE NO.	01345C
DESIGN NO.	104604
DATE BOOK	7270
HWY. NO.	131
MAP. NO.	748
COUNTY	Tillamook
DATE	02/2020

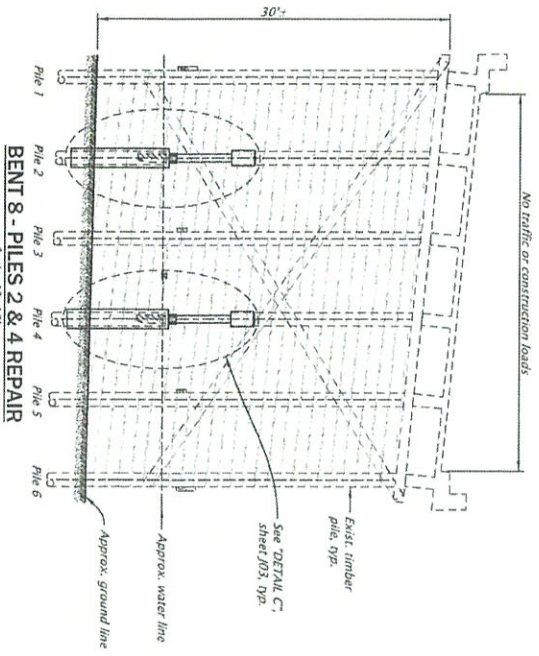
REGISTERED PROFESSIONAL ENGINEER  
 SEAN WHITE  
 JULY 21, 1998  
 OREGON  
 58,420  
 Digitally Signed Feb 20 2020 9:45 AM  
 RENEWS: 06-30-2020

OREGON DEPARTMENT OF TRANSPORTATION  
 TILLAMOOK RIVER, HWY 131  
 MAJOR BRIDGE MAINTENANCE  
 NETARTIS HWY (OR 131)  
 TILLAMOOK COUNTY  
 Designer: Sean White  
 Checker: Mark Luby  
 PLAN AND GENERAL NOTES  
 SHEET NO. J01





**BENT 6 - PILE 3 REPAIR**  
Scale: 1" = 10'



**BENT 8 - PILES 2 & 4 REPAIR**  
Scale: 1" = 10'

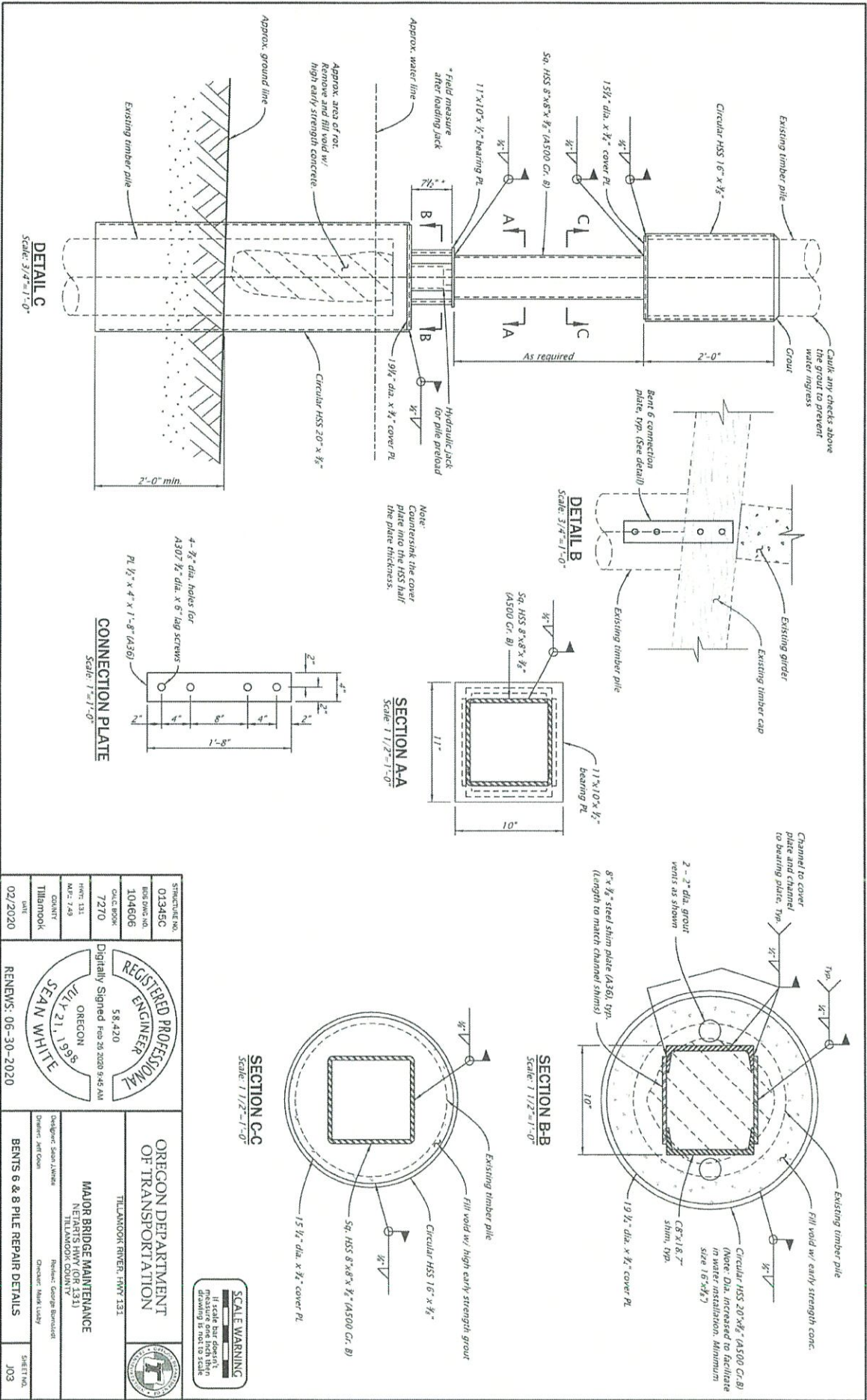
**PILE REPAIR GENERAL NOTES (Items 6 & 8 similar)**

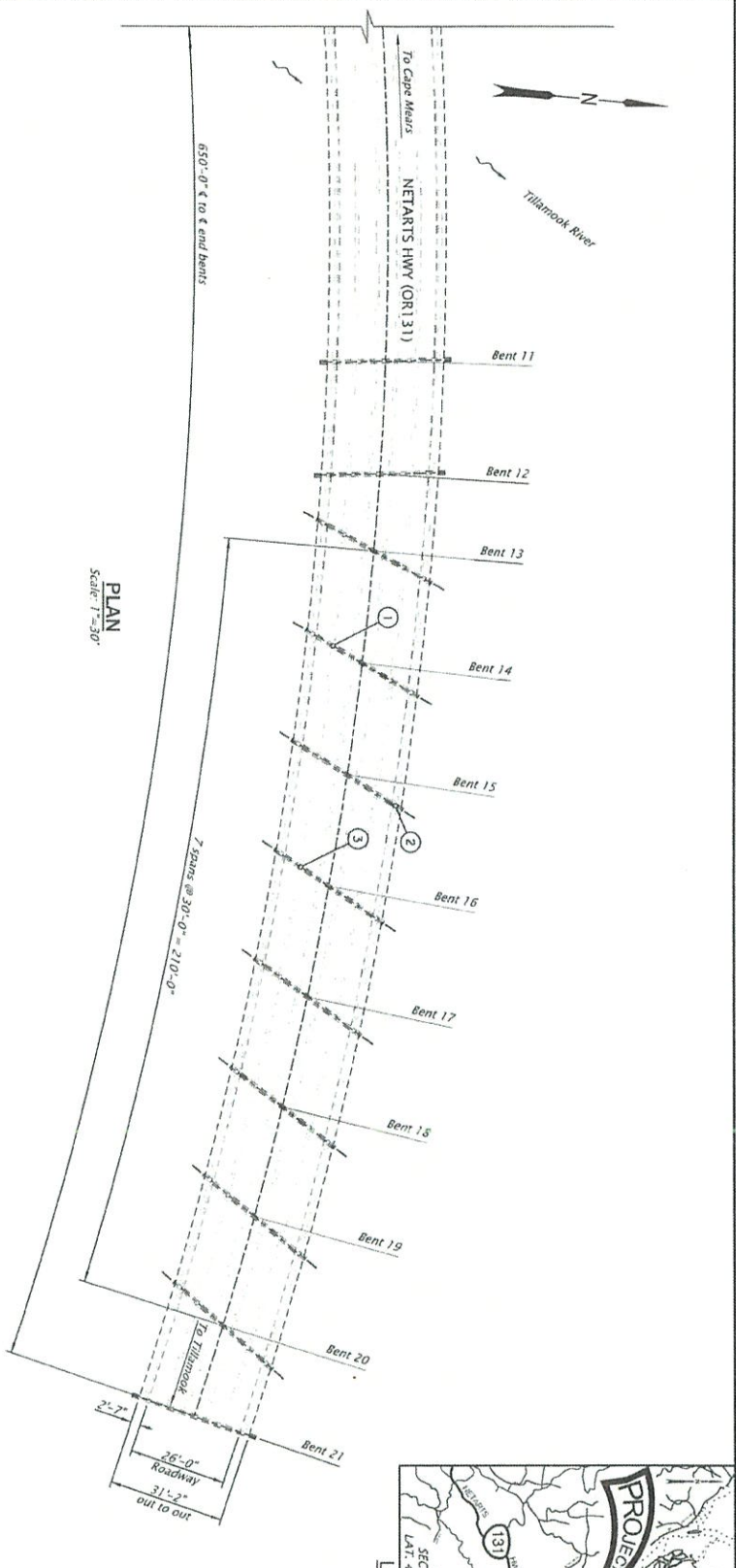
1. Traffic control must be in place as noted prior to proceeding with step 3
2. Drill the portion of exposed pile to verify that a 2" (minimum) solid timber shell remains.  
-If there is less than a 2" solid shell remaining, contact the engineer of record.
3. At Bent 6, install connection plate (see DETAIL B, sheet J03) and temporary bracing to stabilize pile 3.
4. Cut and remove a portion of existing timber pile as shown.
5. Place oversized steel pipe pile over existing timber and use hydraulic jack to embed 2' minimum into stream bed.
6. Pump water out from inside of steel pipe pile.
7. Remove all of the remaining rotten timber core. Treat remaining timber with borate rod or copper naphthenate from Uge.
8. Fill voids with high early strength concrete. Use steel rod to ensure proper consolidation. Leave a gap to facilitate welding of cover plate.
9. Field weld cover plate in place.
10. Use 6" vents to complete the pour. Wait for concrete strength to reach 2500 psi.
11. Place upper steel pile splice over timber pile and store in place.
12. Field weld square HSS pile to upper steel pile splice.
13. Set 20 ton hydraulic jack between bearing plates and preload the pile, see table.
14. Field measure, cut, and weld in place channel shims. Ensure tight fit with good bearing.
15. Unload and remove hydraulic jack.
16. Field weld 3/8" shim plates. Plates shall be same height as channel shims.
17. Create void between upper steel pile casing and timber pile with non-shrink grout. Slope top of grout to sheet water away from timber.

Pile Preload Table (20 ton jack)			
Bent No.	Pile No.	(lbs)	(ksi)
6	2	25,000	6,300
8	2	25,000	6,300
8	4	25,000	6,300

STRUCTURE NO. 01345C	REGISTERED PROFESSIONAL ENGINEER SEAN WHITE JULY 21, 1995 OREGON 58,420 Digitally Signed: Feb 26 2020 9:45 AM	OREGON DEPARTMENT OF TRANSPORTATION TILLAMOOK RIVER, HWY 131 MAJOR BRIDGE MAINTENANCE TILLAMOOK COUNTY, OR N.E. TILLAMOOK COUNTY
BOS OWN. NO. 104605	REVISIONS: 06-30-2020	
CULC. BOOK 7270		
HWY. 131 M.K. 749		
CONSTR. Tillamook		
DATE 02/20/20		

**SCALE WARNING**  
If scale bar doesn't match drawing is not to scale





**PLAN**  
Scale: 1"=30'

**GENERAL NOTES:**

- Provide all materials and perform all work according to the Oregon Standard Specifications for Construction 2018.
- Repair designed in accordance with the Seventh Edition of the 2014 AASHTO LRFD Bridge Design Specifications with the following Live Loads:
- Strength II Limit State:
  - ODOOT Type STR-4D Permit Truck
  - ODOOT Type STR-4E Permit Truck
  - ODOOT Type STR-5BIV Permit Truck
- Or, for No Live Load, Strength IV Limit State.
- Provide ASTM A36 structural steel unless specified on plans.
- Provide welds according to the latest edition of AWS D1.5.
- Provide fasteners according to ASTM A307 Gr. A, unless otherwise specified on plans. Hot-dip galvanize after fabrication.

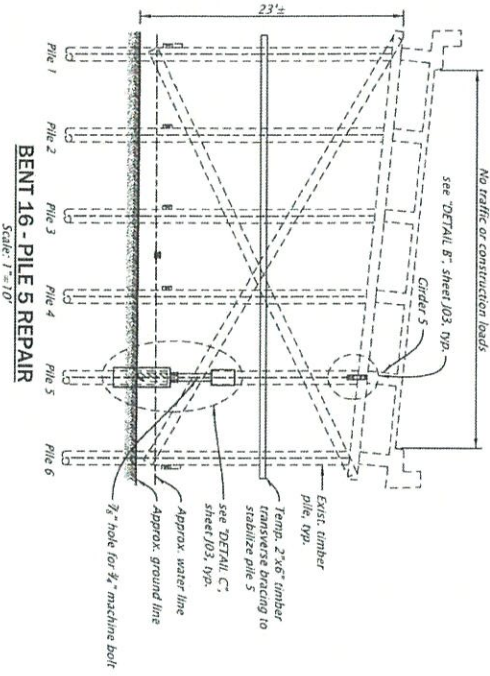
**WORK ITEMS:**

- ① Repair Bent 14 Pile 5, see sheet J02.
- ② Repair Bent 15 Pile 1, see sheet J02.
- ③ Repair Bent 16 Pile 5, see sheet J02.

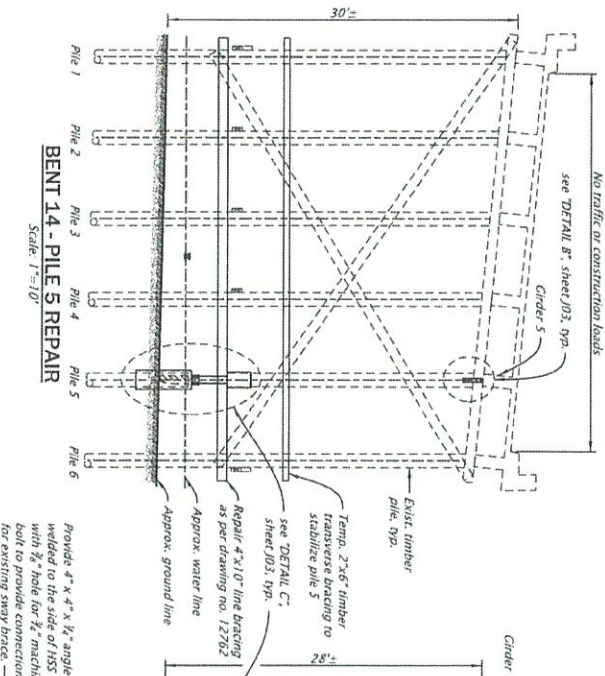
**SCALE WARNING**  
Scale for location map only. Drawing is not to scale.

STRUCTURE NO. 03345C	DATE 08/2019
DESIGN NO. 1031728	DESIGNED BY TILIAMOOK
CALC. BOOK 7188	CHECKED BY TILIAMOOK
HWY: 131	DATE: 7-29
MAP: 7-29	CONTRACT TILIAMOOK
<b>REGISTERED PROFESSIONAL ENGINEER</b> OREGON STATE SEAN WHITTLE No. 58,420 Digitally Signed Aug 14 2019 1:15 PM	
RENEWS: 06-30-2020	
<b>OREGON DEPARTMENT OF TRANSPORTATION</b> TILIAMOOK BRIDGE, HWY 131 <b>MAJOR BRIDGE MAINTENANCE</b> NETARTS HWY (OR 131) TILIAMOOK COUNTY Designer: Sean Whittle Checker: Mark Lundy	
<b>PLAN AND GENERAL NOTES</b>	
SHEET NO. <b>J01</b>	

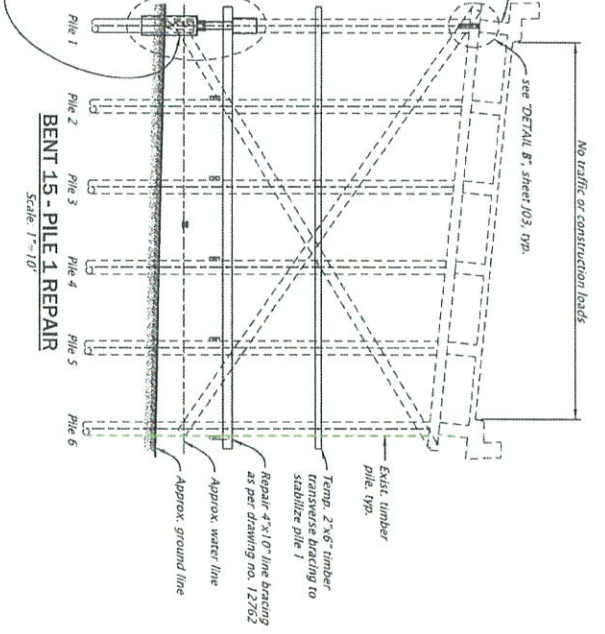




**BENT 16 - PILE 5 REPAIR**  
Scale: 1"=10'



**BENT 14 - PILE 5 REPAIR**  
Scale: 1"=10'



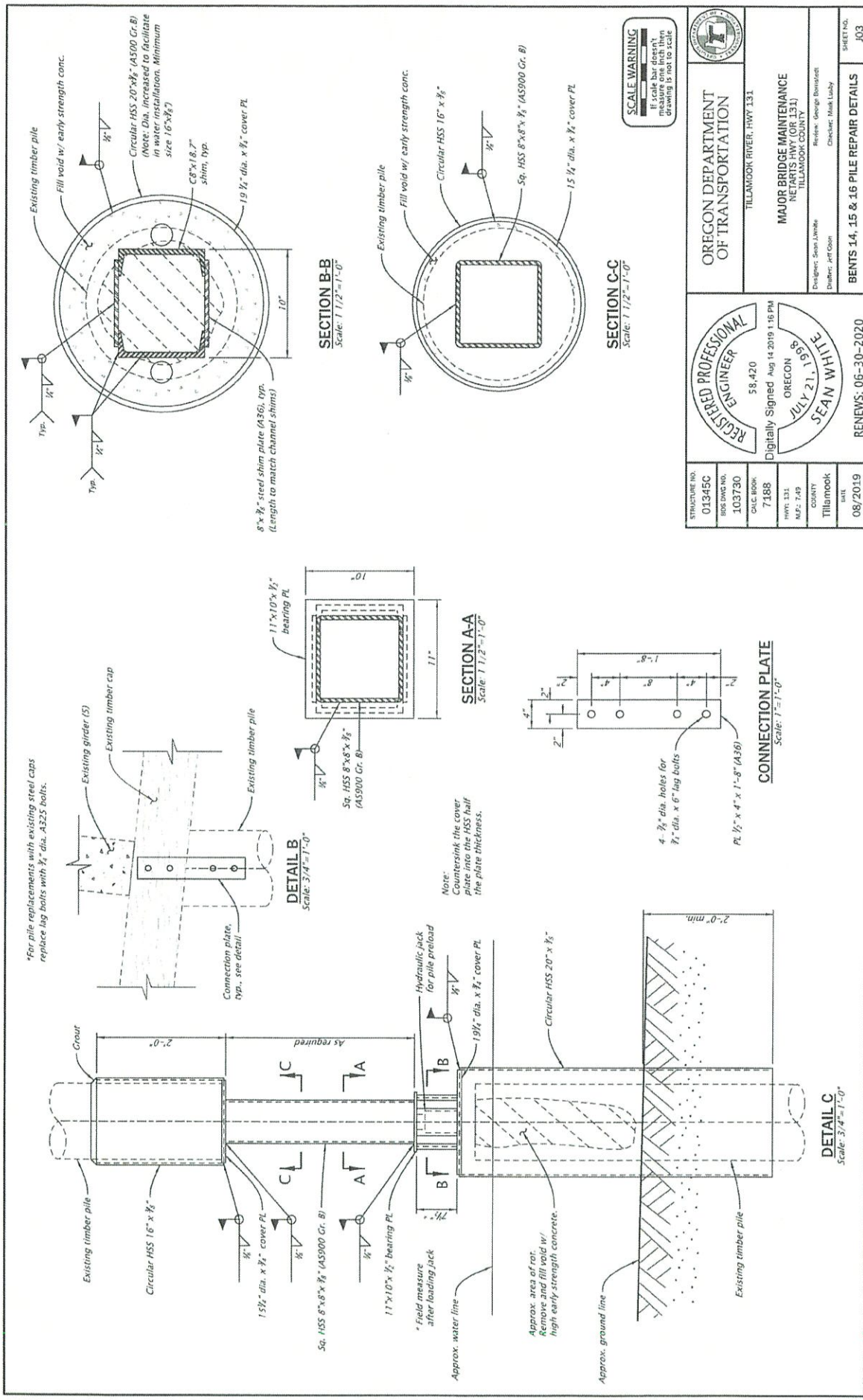
**BENT 15 - PILE 1 REPAIR**  
Scale: 1"=10'

- PILE REPAIR GENERAL NOTES: (Bents 14, 15, & 16 similar)**
- Traffic control must be in place as noted prior to proceeding with step 3.
  - Drill the portion of exposed pile to verify that a 2" (minimum) solid timber shell remains.
    - If there is less than a 2" solid shell remaining, contact the engineer of record.
  - Install the bearing plate.
  - Cut and remove existing timber pile as shown.
  - Place oversized steel pipe pile over existing timber and use hydraulic jack to embed 2" minimum into stream bed.
  - Pump water out from inside of steel pipe pile.
  - Remove all of the remaining rotten timber core. Treat remaining timber with borat rod or copper naphthenate from GPR.
  - Fill voids with high early strength concrete. Use steel rod to ensure proper consolidation, leave a gap to facilitate welding of cover plate.
  - Field weld cover plate in place.
  - Use well cover plate in place.
  - Use 2500 psi before preloading pile.
  - Place upper steel pile splice over timber pile and shore in place.
  - Field weld square HSS pile to upper steel pile splice.
  - Set 20 ton hydraulic jack between bearing plates and pre-load the pile, see table.
  - Field measure, cut, and weld in place channel shims. Ensure tight fit with good bearings.
  - Unload and remove hydraulic jack.
  - Field weld steel shim plates. Field mill cutting and timber pile with roller.
  - Grout void behind pile. Field mill cutting and timber pile with roller-shrink grout. Slope top of grout to shed water away from timber.

Pile Preload Table (20 ton jack)			
Bent No.	Pile No.	(lbs)	(kips)
14	5	45,000	6,300
15	1	31,250	7,800
16	5	25,000	6,300

STRUCTURE NO. 01345C	REGISTERED PROFESSIONAL ENGINEER SEAN WHITE 58,420 OREGON DIGITALLY SIGNED Aug 14 2019 1:15 PM JULY 21, 1995	OREGON DEPARTMENT OF TRANSPORTATION TILLAMOOK RIVER, HWY 131
DESIGN NO. 103729	MAJOR BRIDGE MAINTENANCE PROJECT NO. 131 TILLAMOOK COUNTY	
DATE 08/2019	REVISIONS: 06-30-2020	
CONTRACT Tillamook	DESIGNED BY MAJORS	
	CHECKED BY MAJORS	
	APPROVED BY MAJORS	
	DATE 08/2019	





\*For pile replacements with existing steel caps replace lag bolts with 3/4" dia. A325 bolts.

Connection plate, typ. see detail.

**DETAIL B**  
Scale: 3/4" = 1'-0"

Note: Counterbore the cover plate for the HSS half the plate thickness.

**SECTION A-A**  
Scale: 1/2" = 1'-0"

**CONNECTION PLATE**  
Scale: 1/2" = 1'-0"

**DETAIL C**  
Scale: 3/4" = 1'-0"

**SECTION B-B**  
Scale: 1/2" = 1'-0"

**SECTION C-C**  
Scale: 1/2" = 1'-0"

**SCALE WARNING**  
If scale bar doesn't measure one inch then drawing is not to scale.

STRUCTURE NO. 01345C	DESIGNED BY Sean White		<b>REGISTERED PROFESSIONAL ENGINEER</b> 58,420 Digitally Signed Aug 14 2019 1:16 PM OREGON JULY 21, 1998 SEAN WHITE	<b>RENEWALS: 06-30-2020</b>
DWG NO. 103730	CHECKED BY Mark Luby			
CALC NO. 7188	DATE 08/2019	<b>OREGON DEPARTMENT OF TRANSPORTATION</b> TILLAMOOK RIVER, HWY 131 <b>MAJOR BRIDGE MAINTENANCE</b> NETARTS HWY (OR 131) TILLAMOOK COUNTY Designer: Sean White Drafter: JPT Oob Checker: Mark Luby		
HWY: 331 M.F.: 7-19	COUNTY Tillamook	<b>BENTS 14, 15 &amp; 16 PILE REPAIR DETAILS</b> SHEET NO. 303		

# Exhibit B: U.S Army Corps Application

**U.S. Army Corps of Engineers (USACE)**  
**APPLICATION FOR DEPARTMENT OF THE ARMY PERMIT**  
 33 CFR 325. The proponent agency is CECW-CO-R.

**Form Approved -**  
**OMB No. 0710-0003**  
**Expires: 02-28-2022**

The public reporting burden for this collection of information, OMB Control Number 0710-0003, is estimated to average 11 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at [whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil](mailto:whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. PLEASE DO NOT RETURN YOUR APPLICATION TO THE ABOVE EMAIL.

**PRIVACY ACT STATEMENT**

Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Programs of the Corps of Engineers; Final Rule 33 CFR 320-332. Principal Purpose: Information provided on this form will be used in evaluating the application for a permit. Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public and may be made available as part of a public notice as required by Federal law. Submission of requested information is voluntary, however, if information is not provided the permit application cannot be evaluated nor can a permit be issued. One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and/or instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned. System of Record Notice (SORN). The information received is entered into our permit tracking database and a SORN has been completed (SORN #A1145b) and may be accessed at the following website: <http://dpcl.dod.defense.gov/Privacy/SORNsIndex/DOD-wide-SORN-Article-View/Article/570115/a1145b-ce.aspx>

**(ITEMS 1 THRU 4 TO BE FILLED BY THE CORPS)**

1. APPLICATION NO.	2. FIELD OFFICE CODE	3. DATE RECEIVED	4. DATE APPLICATION COMPLETE
--------------------	----------------------	------------------	------------------------------

**(ITEMS BELOW TO BE FILLED BY APPLICANT)**

5. APPLICANT'S NAME First - <b>Ronald</b> Middle - <b>Lee</b> Last - <b>Francis</b> Company - <b>Oregon Department of Transportation</b> E-mail Address - <b>Ronald.L.Francis@odot.state.or.us</b>	8. AUTHORIZED AGENT'S NAME AND TITLE (agent is not required) First -                                      Middle -                                      Last - Company - E-mail Address -
---	--

6. APPLICANT'S ADDRESS: Address- <b>455 Airport Rd. SE, Building B</b> City - <b>Salem</b> State - <b>OR</b> Zip - <b>97301</b> Country - <b>US</b>	9. AGENT'S ADDRESS: Address- City -                                      State -                                      Zip -                                      Country -
---	--

7. APPLICANT'S PHONE NOS. w/AREA CODE a. Residence                      b. Business                      c. Fax	10. AGENTS PHONE NOS. w/AREA CODE a. Residence                      b. Business                      c. Fax
--	--

**STATEMENT OF AUTHORIZATION**

11. I hereby authorize,                     N/A                      to act in my behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this permit application.

\_\_\_\_\_  
SIGNATURE OF APPLICANT                      DATE

**NAME, LOCATION, AND DESCRIPTION OF PROJECT OR ACTIVITY**

12. PROJECT NAME OR TITLE (see instructions) <b>OR 131: Tillamook River Bridge Maintenance</b>	
13. NAME OF WATERBODY, IF KNOWN (if applicable) <b>Tillamook River (RM 0.9)</b>	14. PROJECT STREET ADDRESS (if applicable) Address <b>Rural - Mile Point 7.49 on OR 131 (Netarts Hwy.)</b>
15. LOCATION OF PROJECT Latitude: <b>°N 45.4568</b> Longitude: <b>°W -123.8769</b>	City -                                      State-                                      Zip-
16. OTHER LOCATION DESCRIPTIONS, IF KNOWN (see instructions) State Tax Parcel ID <b>ODOT ROW</b> Municipality Section - <b>26</b> Township - <b>1S</b> Range - <b>10W</b>	

## 17. DIRECTIONS TO THE SITE

From Salem, Oregon travel west to MP 7.49 on the Netarts Highway (OR 131). The project area is located west of the US 101 and City of Tillamook, Tillamook County (see Figure 1).

The project area is located within Section 10 Waters (Tillamook River) with adjacent mud flats/salt marshes having no Aquatic Resources of Special Concern. The highest measured tide is 11.92' ('88 NAVD). The Tillamook River is not a Scenic Waterway, but has ESA species and is designated as EFH.

## 18. Nature of Activity (Description of project, include all features)

This ODOT maintenance project will repair 6 timber piles (within 5 bents) on the current serviceable structure (see Attachment A). The work entails splicing the timber piles, so that the rotten sections can be removed and repaired. This will be achieved by embedding a circular, steel tube approximately 2-feet below the ground surface. The 15 3/4" diameter steel sleeve would be then back-filled with concrete to serve as the base support for the repaired piles. Work below the highest measured tide includes pushing the steel tube into the ground with a hydraulic jack and removing mud. Fill is limited to concrete poured inside the steel tube. There is 4 ft.2 of discharge (concrete) per pile (total of around 24 ft.2 for the 6 piles). Volume impacts would be 1 cy per pile (around 6 cy for the 6 piles). Since the bents are in the river, a floating dock is needed to access the piles. The dock involves a non-treated wood frame with a plywood deck, which will be floated on the water during low tides. Access will be from the bridge with no causing no impacts to the adjacent mud flats/salt marshes. The project will take about 21-days to complete with approximate 3 hour shifts during the low tides.

## 19. Project Purpose (Describe the reason or purpose of the project, see instructions)

The purpose of the project is to repair failing bridge components to avoid load restrictions, while maintaining a safe highway system for the traveling public.

Note: The preferred ODFW IWWP period for the Tillamook Estuary is November 1st through February 15th. A variance request to complete work during the period of September 8th through September 30th of 2020 has been approved. The in-water work consists of isolating the wooden piles with preformed forms, de-watering the work areas, and pouring concrete around the compromised timbers.

**USE BLOCKS 20-23 IF DREDGED AND/OR FILL MATERIAL IS TO BE DISCHARGED**

## 20. Reason(s) for Discharge

To maintain service of the bridge, rotten sections of timber piles must be repaired. The discharge is limited to concrete poured into steel tubes to serve as a structural based to support the bridge girders and deck. In all, there is 4 ft.2 of fill per pile (total of around 24 ft.2 for the 6 piles). Volume impacts would be 1 cy per pile (around 6 cy).

## 21. Type(s) of Material Being Discharged and the Amount of Each Type in Cubic Yards:

Type Amount in Cubic Yards	Type Amount in Cubic Yards	Type Amount in Cubic Yards
6		

## 22. Surface Area in Acres of Wetlands or Other Waters Filled (see instructions)

Acres <0.1 acre

or

Linear Feet

## 23. Description of Avoidance, Minimization, and Compensation (see instructions)

The project will repair rotten timber piles, which will not result in modifications that changes the character, scope, or size of the existing structure. To minimize ground disturbance, a floating dock would be used to place the steel tube and repair the piles. All staging and construction materials will be on the existing bridge. Construction of the project will occur in one season during the extended ODFW in-water work period to minimize disturbances. To avoid inadvertent discharges, erosion control features will be used during construction. Compensation mitigation will not be needed due the negligible loss of Waters of the US.

24. Is Any Portion of the Work Already Complete?  Yes  No IF YES, DESCRIBE THE COMPLETED WORK

25. Addresses of Adjoining Property Owners, Lessees, Etc., Whose Property Adjoins the Waterbody (if more than can be entered here, please attach a supplemental list).

a. Address- Leslie & Ellis Martinez, P.O. Box 15295

City - Rio Rancho State - CA Zip - 87174

b. Address- Tilla Bay Farms, 40 Fenk Rd. W.

City - Tillamook State - OR Zip - 97141

c. Address- Eric & Loretta Peterson, 105 Bay Ocean Rd.

City - Tillamook State - OR Zip - 97141

d. Address-

City - State - Zip -

e. Address-

City - State - Zip -

26. List of Other Certificates or Approvals/Denials received from other Federal, State, or Local Agencies for Work Described in This Application.

AGENCY	TYPE APPROVAL*	IDENTIFICATION NUMBER	DATE APPLIED	DATE APPROVED	DATE DENIED
NMFS	Slopes	NWR-2013-9717	April 2019	June 19th, 2020	N/A
Tillamook County	LUCS		April 2019	June 2020	N/A
SHPO	106 Clearance		April 2019	June 16th, 2020	N/A

\* Would include but is not restricted to zoning, building, and flood plain permits

27. Application is hereby made for permit or permits to authorize the work described in this application. I certify that this information in this application is complete and accurate. I further certify that I possess the authority to undertake the work described herein or am acting as the duly authorized agent of the applicant

**Ron Francis**

2/23/2023

SIGNATURE OF APPLICANT

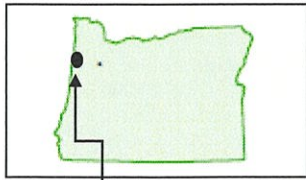
DATE

SIGNATURE OF AGENT

DATE

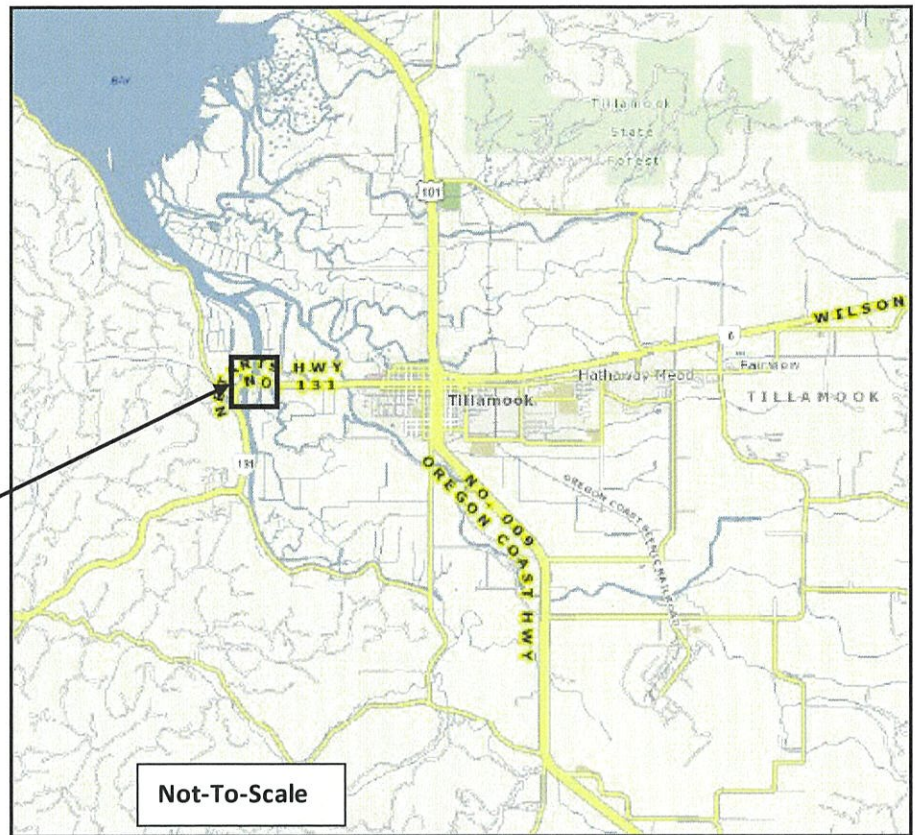
The Application must be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by a duly authorized agent if the statement in block 11 has been filled out and signed.

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals, or covers up any trick, scheme, or disguises a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statements or entry, shall be fined not more than \$10,000 or imprisoned not more than five years or both.

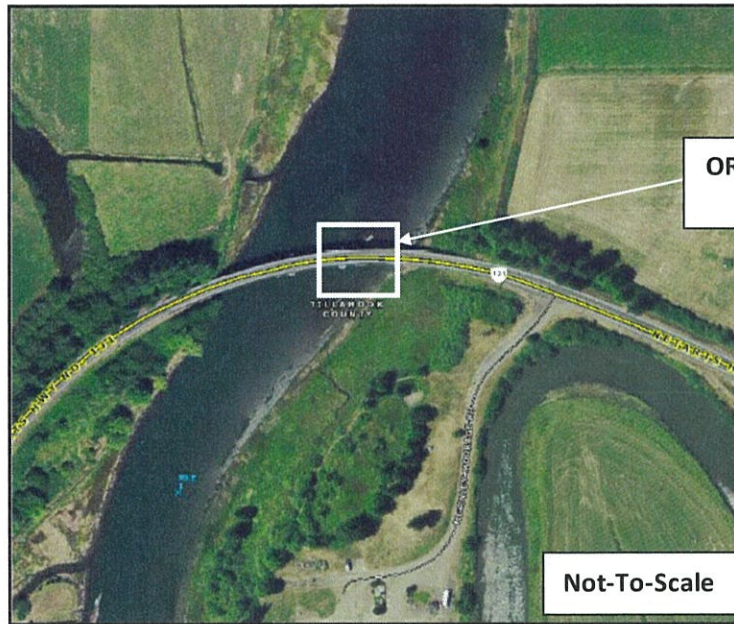


Project Location: Rural Tillamook County, OR

OR 131: Tillamook River Bridge Maintenance



Not-To-Scale



OR 131: Tillamook River Bridge Maintenance

Not-To-Scale

**FIGURE 1**  
Vicinity and Aerial Photograph

**OR 131: TILLAMOOK RIVER BRIDGE MAINTANENCE**  
**RURAL TILLAMOOK RIVER COUNTY OREGON**



SOURCE: ODOT GPS, 2020

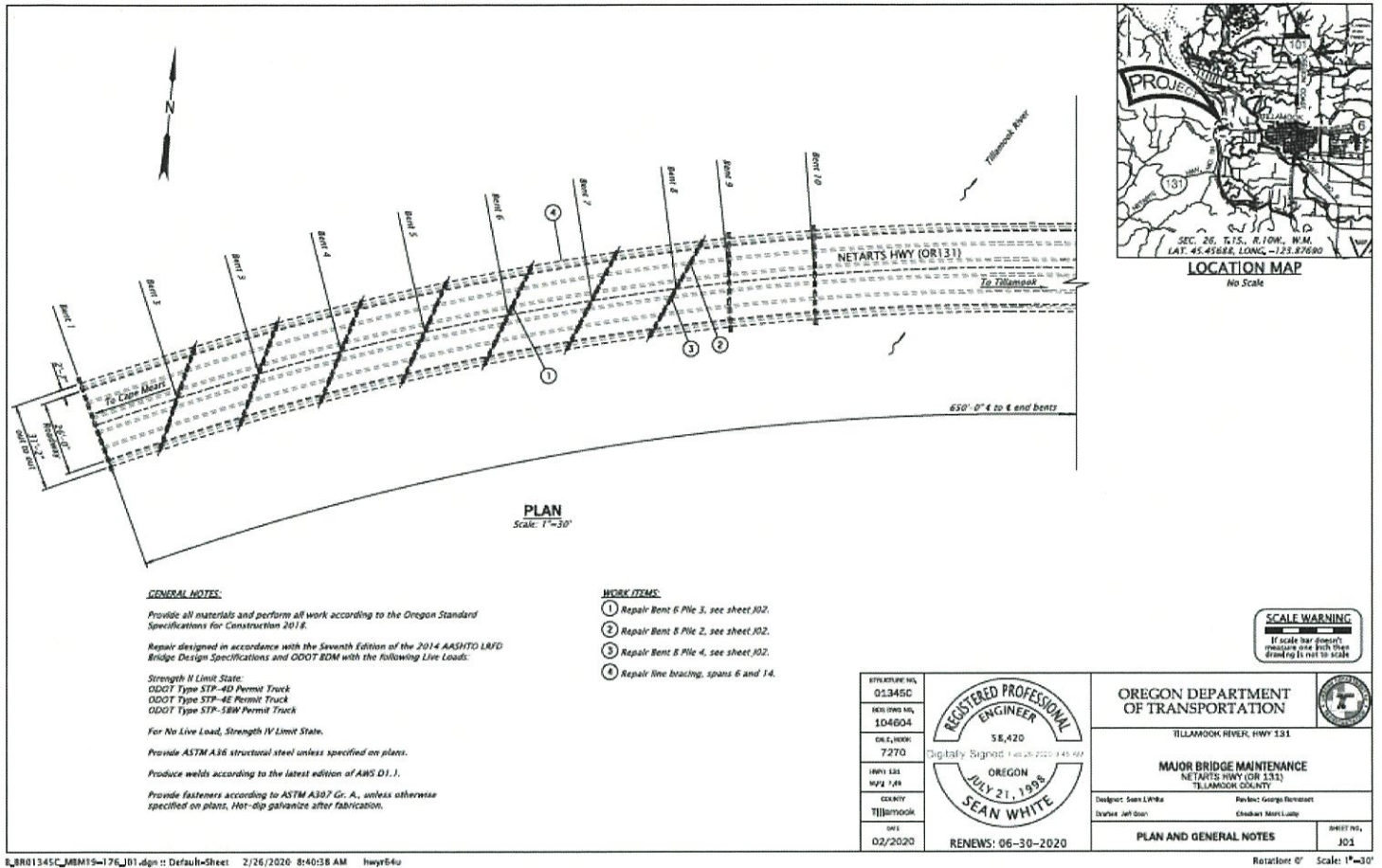
DATE: June 2020

Re-submitted Feb. 2023

# ATTACHMENT A

## Project Plan Sheets, Details, and Site Photographs

### OR 131: TILLAMOOK RIVER BRIDGE MAINTENANCE RURAL TILLAMOOK RIVER COUNTY OREGON



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Rotations: 0° Scale: 1"=30'

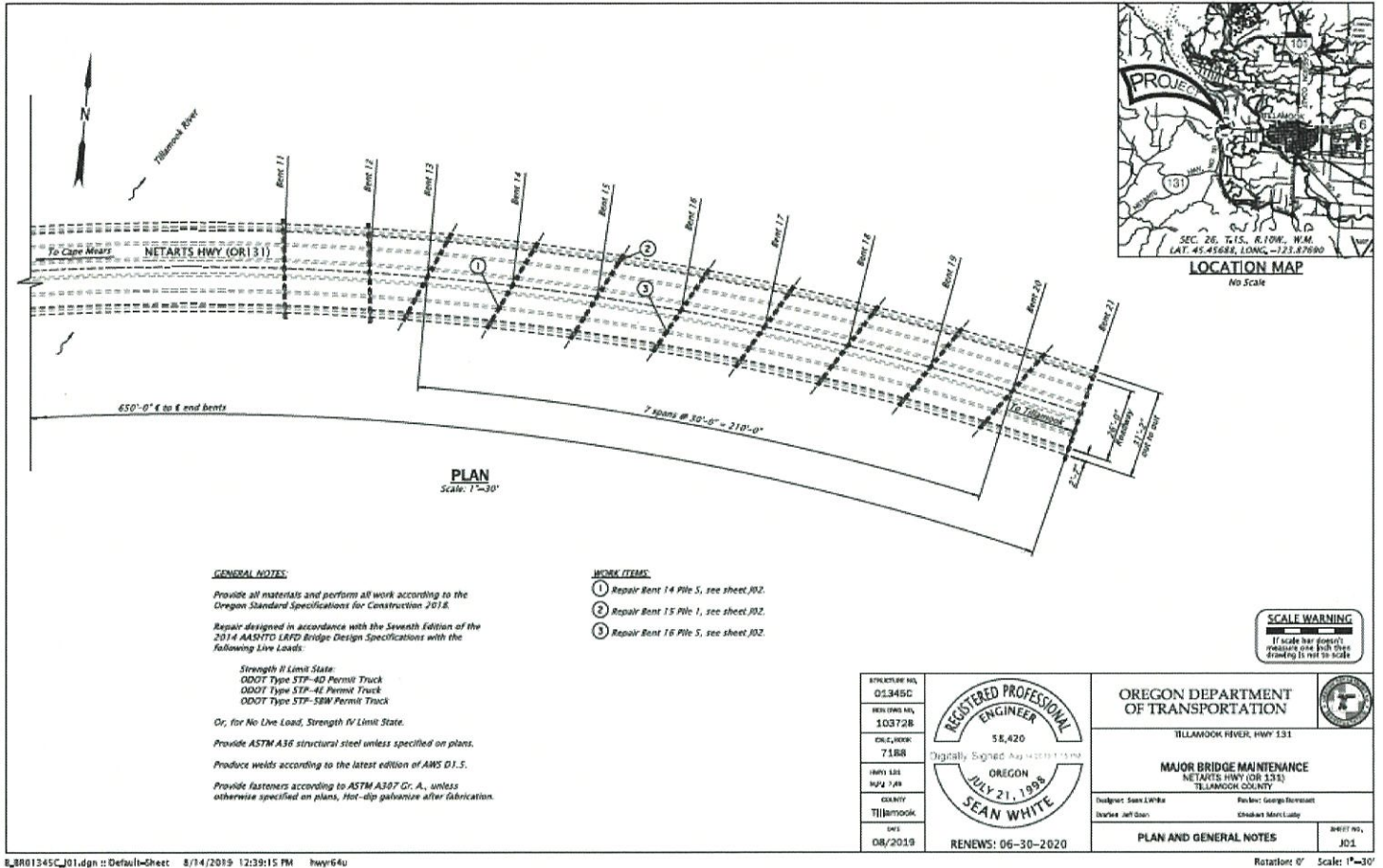


Photo shows the timber trestle substructure extending into the Tillamook River. Here, three piles will be repaired within Bents 6 and 8.



# Project Plan Sheets, Details, and Site Photographs

## OR 131: TILLAMOOK RIVER BRIDGE MAINTENANCE RURAL TILLAMOOK RIVER COUNTY OREGON



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Rotation: 0° Scale: 1"=30'



Photo shows the timber trestle substructure from the bridge abutment. Here, three piles will be repaired within Bents 14, 15, & 16. In total, 6 piles will be repaired.

# Project Plan Sheets, Details, and Site Photographs

## OR 131: TILLAMOOK RIVER BRIDGE MAINTENANCE RURAL TILLAMOOK RIVER COUNTY OREGON

**PILE REPAIR GENERAL NOTES (Bents 6 & 8 similar):**

- Traffic control must be in place as noted prior to proceeding with step 2.
- Drill the portion of exposed pile to verify that a 2" (minimum) solid timber shaft remains.
  - If there is less than a 2" solid shaft remaining, contact the engineer of record.
- At Bent 6, install connection plate (see "DETAIL B", sheet #53) and temporary transverse bracing.
- Cut and remove a portion of existing timber pile as shown.
- Place oversized steel pipe pile over existing timber and use hydraulic jack to embed 2" minimum into stream bed.
- Pump water out from inside of steel pipe pile.
- Remove all of the remaining rotten timber core. Treat remaining timber with borate rot or copper naphthalene from GPC.
- Fill voids with high early strength concrete. Use steel rod to ensure proper consolidation. Leave a gap to facilitate welding of cover plate.
- Field weld cover plate in place.
- Use grout vents to complete the pour. Wait for concrete strength to reach 2500 psi before preloading pile.
- Place upper steel pile splice over timber pile and shore in place.
- Field weld square HSS pile to upper steel pile splice.
- Set 20 ton hydraulic jack between bearing plates and preload the pile, see table.
- Field measure, cut, and weld in place channel shims. Ensure tight fit with good bearing.
- Unload and remove hydraulic jack.
- Field weld 1/8" shim plates. Plates shall be same height as channel shims.
- Grout void between upper steel pile casing and timber pile with non-shrink grout. Slope top of grout to shed water away from timber.

Bent No.	Pile No.	Size	Load
6	3	24,000	6,300
8	2	23,000	6,300
8	4	23,000	6,300

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**PILE REPAIR GENERAL NOTES (Bents 14, 15, & 16 similar):**

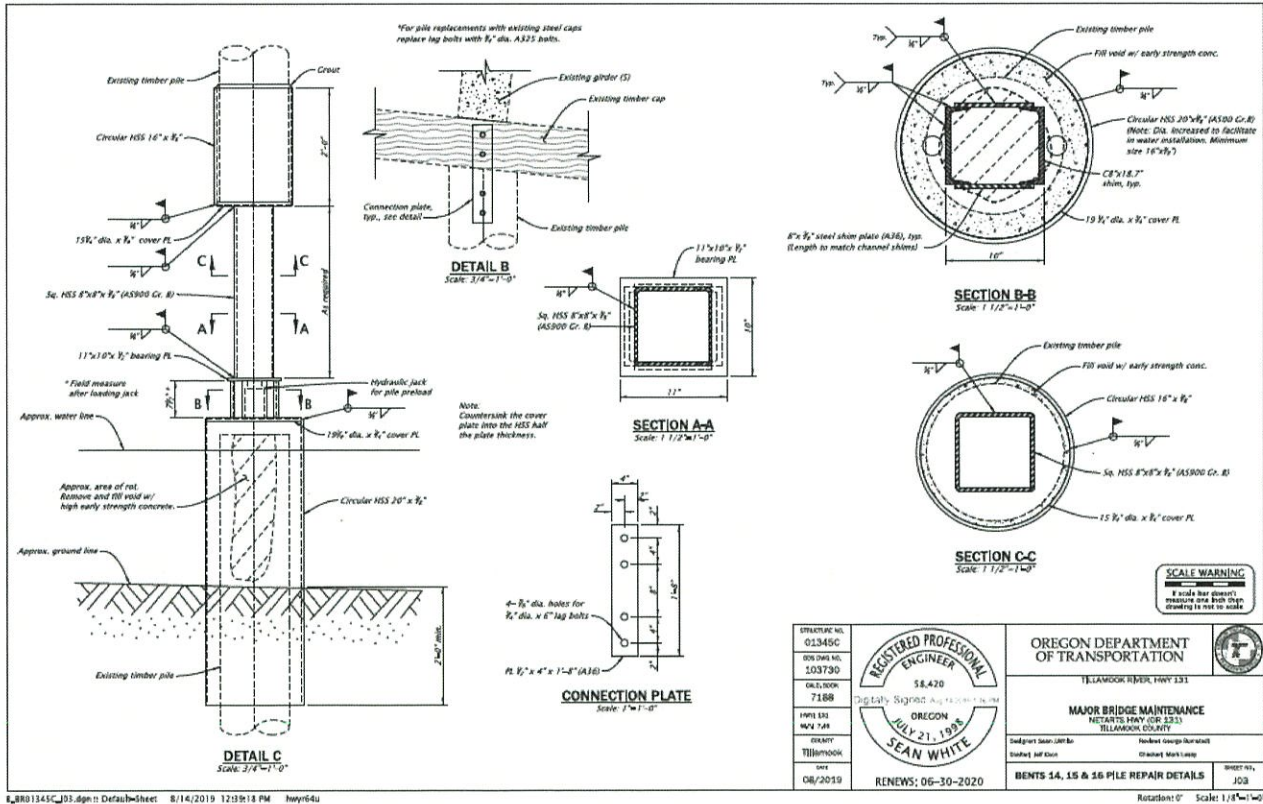
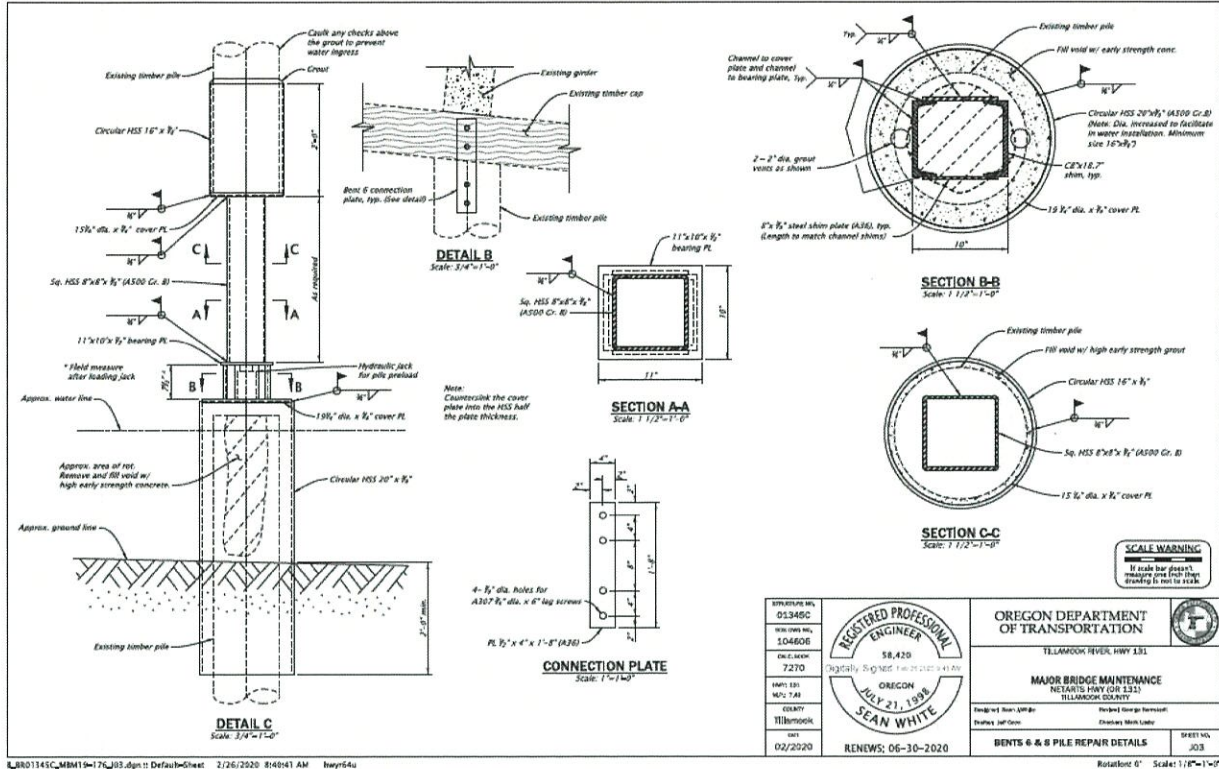
- Traffic control must be in place as noted prior to proceeding with step 3.
- Drill the portion of exposed pile to verify that a 2" (minimum) solid timber shaft remains.
  - If there is less than a 2" solid shaft remaining, contact the engineer of record.
- Install connection plate (see "DETAIL B", sheet #53) and temporary transverse bracing.
- Cut and remove existing timber pile as shown.
- Place oversized steel pipe pile over existing timber and use hydraulic jack to embed 2" minimum into stream bed.
- Pump water out from inside of steel pipe pile.
- Remove all of the remaining rotten timber core. Treat remaining timber with borate rot or copper naphthalene from GPC.
- Fill voids with high early strength concrete. Use steel rod to ensure proper consolidation. Leave a gap to facilitate welding of cover plate.
- Field weld cover plate in place.
- Use grout vents to complete the pour. Wait for concrete strength to reach 2500 psi before preloading pile.
- Place upper steel pile splice over timber pile and shore in place.
- Field weld square HSS pile to upper steel pile splice.
- Set 20 ton hydraulic jack between bearing plates and preload the pile, see table.
- Field measure, cut, and weld in place channel shims. Ensure tight fit with good bearing.
- Unload and remove hydraulic jack.
- Field weld 1/8" shim plates. Plates shall be same height as channel shims.
- Grout void between upper steel pile casing and timber pile with non-shrink grout. Slope top of grout to shed water away from timber.

Bent No.	Pile No.	Size	Load
14	5	25,000	6,300
15	1	21,500	7,000
16	5	25,000	6,300

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# Project Plan Sheets, Details, and Site Photographs

## OR 131: TILLAMOOK RIVER BRIDGE MAINTENANCE RURAL TILLAMOOK RIVER COUNTY OREGON



**ATTACHMENT B**  
**SLOPES Documentation**

**OR 131: TILLAMOOK RIVER BRIDGE MAINTANENCE**  
**RURAL TILLAMOOK RIVER COUNTY OREGON**

**ACTIONIMPLEMENTATION FORM**

**1. Action Notification**

<b>DATE OF REQUEST:</b>	<i>6/19/2020</i>	<b>NMFS TRACKING #:</b> <i>NWR-2013-9717</i>	
<b>TYPE OF REQUEST:</b>	<input checked="" type="checkbox"/> ACTION NOTIFICATION (NO APPROVAL) <input type="checkbox"/> ACTION NOTIFICATION (APPROVAL REQUIRED)		
<b>Statutory Authority:</b>	<input type="checkbox"/> ESA ONLY <input type="checkbox"/> EFH ONLY <input checked="" type="checkbox"/> ESA & EFH COMBINED		
<b>Lead Action Agency:</b>	<i>Corps of Engineers</i>		
<b>Action Agency Contact:</b>	<i>Corissa Anderson-Horvath</i>	Corps Action ID #:	
<b>Applicant:</b>	<i>Oregon Department of Transportation</i>	Individual DSL Permit #:	
<b>Project Name:</b>	<i>OR:131 Tillamook River Bridge Repairs</i>		
<b>6<sup>th</sup> Field HUC &amp; Name:</b>	<i>Lower Tillamook River - 171002030302</i>		
<b>Latitude &amp; Longitude (in signed degrees format: DDD.dddd)</b>	<i>45° 27' 24.7973" N -123° 52' 34.2129" W</i>		
<b>Proposed Construction Period:</b>	<i>Start Date:</i>	<i>9.8.2020</i>	<i>End Date:</i> <i>9.30.2020</i>
<b>Proposed Length of Channel and/or Riparian Modification in linear feet:</b>	<i>Repairing bridge bents and no modification to channel</i>		
<b>Proposed Area of Herbicide Application in acres:</b>	<i>0</i>		

**Project Description:**

**Type of Action:**

*The Oregon Department of Transportation (ODOT) proposes to make repairs to a bridge across the Tillamook River located at Milepost 7.5 on OR131 (Netarts Highway) west of the city of Tillamook. The project area is located within Section 10 Waters (Tillamook River) with adjacent mud flats/salt marshes having no Aquatic Resources of Special Concern. The highest measured tide is 11.92' ('88 NAVD). The Tillamook River is not a Scenic Waterway, but has ESA species and is designated as EFH. This is a state-funded bridge repair project. The project proposes to repair six piles (on five bents) and bracing on two spans. Repair of the piles will require placing a 15 ¼ inch steel sleeve over the existing piling and embedding the sleeve about 2' into the river bed. The void between the steel sleeve and the piling will be filled with concrete and grout. Ground disturbance will be limited to sinking the steel sleeve into the river bed using a hydraulic jack. Access to the river will be via a floating platform with equipment lowered from the bridge deck. All other access to the underside of the bridge will be on foot. Staging will be limited to previously improved areas, likely the along the old highway alignment on the east end of the Area of Potential Effects.*

- *The work will be completed using a small floating dock attached to the bridge. Tide cycles in the proposed time frame are favorable for isolating the piers during low tide cycles, and to keep the floating dock from becoming grounded. Tide cycles also limit the work window to 3-hours each day, resulting in the 3 week timeframe needed to finish this project.*
- *The proposed work will need to close the bridge to Hwy 131 traffic, and it is preferred this closure occurs after Labor Day to minimize impacts to local economy. The District 1 (North Coast Area) Manager does not want us to close roads during the tourist season Memorial Day to Labor unless it is an emergency. This is the normal every year but due to Covid 19 and the impact it has had on coastal businesses ODOT wants to be extra careful not to impact businesses.*
- *To avoid higher flows and potential storms commonly experienced during the preferred Winter IWWP, the proposed period would avoid challenges resulting from swells, wind, and potential concrete spills. Robert Bradley, North Coast Watershed, ODFW District Biologist has agreed on the In-Water Work Window (IWW) of September 8 to September 30 in water work window with the bellow stipulation. ODOT has agreed and will complete all stipulations.*

#### *ODFW Stipulations*

*ODFW approves your request for an in-water variance to conduct work on the Hwy 131 bridge over the Tillamook River from Sept. 8-30, 2020, subject to the following conditions:*

- 1. The contractor needs to be staged and ready to commence work on Sept. 8th. The project needs to start on time and proceed in a timely fashion to ensure completion within the requested window.*
- 2. ODOT should coordinate with the Oregon State Marine Board, Tillamook County Parks, and the City of Tillamook to notify boaters of the work being conducted and any possible conflicts or hazards associated with the work barges, equipment, etc. At a minimum, notices should be posted at the Memaloose Boat Ramp, Carnahan Park (5th St) Boat Ramp, and the Burton Bridge Boat Ramp prior to the work period.*
- 3. Provide this correspondence to all appropriate permitting agencies as needed.*

*Describe project-specific criteria necessary to achieve the project purpose. Describe alternative sites and project designs that were considered to avoid or minimize impacts to the waterbody or wetland.*

*project-specific criteria necessary to achieve the project purpose: Repair of the piles will require placing a 15 ¼ inch steel sleeve over the existing piling and embedding the sleeve about 2' into the river bed. The void between the steel sleeve and the piling will be filled with concrete and grout. Ground disturbance will be limited to sinking the steel sleeve into the river bed using a hydraulic jack. Access to the river will be via a floating platform with equipment lowered from the bridge deck. All other access to the underside of the bridge will be on foot. Staging will be limited to previously improved areas, likely the along the old highway alignment on the east end of the Area of Potential Effects.*

*No Build: The bridge would become weight limited and eventually would need to be closed. This would be devastating to the people who use the road along with businesses in the area. A No Build alternative; however, would result in a continuation of current land conditions with no impacts to the River.*

*Replace Bridge: The bridge would cost millions of dollars to replace and would take years to get a design complete and the bridge built. The bridge is able to be repaired so this is the least impact to environment and traveling public.*

*Alternative Designs: Avoidance and Minimization Measures: The project is designed to meet operational/safety goals and to minimize environmental impacts. The only fix is to repair the bents and this is the design standard.*

Identify the type of action proposed.

Actions Requiring No Approval from NMFS:

- Natural Hazard Response
- Streambank and channel stabilization
- Road surface, culvert and bridge maintenance
- Utility line stream crossing

Actions Requiring Approval from NMFS:

- Pile installation
- Fish screen design for diversion >3 cfs
- Stormwater facilities
- New or upgraded stormwater outfalls
- Compensatory mitigation
- Alluvium placement in >50% channel bed or >25% of the bankfull cross sectional area
- LW in >25% bankfull cross section of channel
- Vegetated riprap with large wood
- Engineered log jams
- Grade stabilization
- Road-stream crossing replacement or retrofit
- Fish passage restoration
- Restoration of a historic stream channel
- Blasting
- Earthwork at an EPA Superfund site, state-designated clean-up site, or the likely impact zone of a significant contaminant source
- Modification or variance of any requirement

NMFS Species/Critical Habitat Present in Action Area: Identify

the species found in the action area:

**ESA Species**

- |  |  |  |
|--|--|--|
| <input type="checkbox"/> Upper Willamette River spring-run Chinook | <input checked="" type="checkbox"/> MCR steelhead          | <input type="checkbox"/> Snake River sockeye       |
| <input type="checkbox"/> Upper Willamette River steelhead          | <input checked="" type="checkbox"/> UCR spring-run Chinook | <input type="checkbox"/> Oregon Coast coho         |
| <input checked="" type="checkbox"/> Lower Columbia River Chinook   | <input checked="" type="checkbox"/> UCR steelhead          | <input type="checkbox"/> SONCC coho                |
| <input checked="" type="checkbox"/> Lower Columbia River steelhead | <input type="checkbox"/> SR spring/summer run Chinook      | <input checked="" type="checkbox"/> Green sturgeon |
| <input checked="" type="checkbox"/> Lower Columbia River coho      | <input type="checkbox"/> SR fall-run Chinook               | <input checked="" type="checkbox"/> Eulachon       |
| <input checked="" type="checkbox"/> Columbia River chum            | <input type="checkbox"/> SR steelhead                      |  |

**EFH Species**

- Salmon, Chinook
- Salmon, coho
- Coastal Pelagics
- Groundfish

Terms and Conditions:

Check the Terms and Conditions from the biological opinion that will be included as conditions on the permit issued for this proposed action. Please attach the appropriate plan(s) for this proposed action.

<p><b>Administrative</b></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Electronic notification</li> <li><input checked="" type="checkbox"/> Site assessment for contaminants</li> <li><input checked="" type="checkbox"/> Action completion report</li> <li><input checked="" type="checkbox"/> Site access</li> <li><input checked="" type="checkbox"/> Salvage notice</li> <li><input type="checkbox"/> Natural hazard response</li> </ul> <p><b>General Construction Measures</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Flagging sensitive areas</li> <li><input type="checkbox"/> Temporary erosion controls</li> <li><input type="checkbox"/> Temporary access roads</li> <li><input checked="" type="checkbox"/> Fish passage criteria</li> <li><input checked="" type="checkbox"/> In-water work period</li> <li><input checked="" type="checkbox"/> Work area isolation</li> <li><input checked="" type="checkbox"/> Capture and release</li> <li><input checked="" type="checkbox"/> Electrofishing</li> <li><input type="checkbox"/> Construction water</li> <li><input type="checkbox"/> Dust abatement</li> <li><input type="checkbox"/> Fish screen criteria</li> <li><input type="checkbox"/> Erosion/pollution control plan</li> <li><input type="checkbox"/> Choice of equipment</li> <li><input checked="" type="checkbox"/> Vehicle staging and use</li> <li><input type="checkbox"/> Stationary power equipment</li> <li><input type="checkbox"/> Work from top of bank</li> <li><input type="checkbox"/> Site restoration</li> <li><input checked="" type="checkbox"/> Turbidity monitoring</li> </ul>	<p><b>Natural Hazard</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Declaration</li> <li><input type="checkbox"/> Contact NMFS</li> </ul> <p><b>Road Maintenance/ Rehabilitation/ Replacement</b></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Road/culvert/bridge maintenance</li> <li><input type="checkbox"/> Grade stabilization</li> <li><input type="checkbox"/> Rock structures</li> <li><input type="checkbox"/> Permanent stream-road crossing replacement</li> </ul> <p><b>Stormwater Management Plan</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Design criteria</li> <li><input type="checkbox"/> Low Impact Development</li> <li><input type="checkbox"/> Water quality BMPs</li> <li><input type="checkbox"/> Water quantity BMPs</li> <li><input type="checkbox"/> Maintenance Plan</li> <li><input type="checkbox"/> Monitoring and Reporting</li> </ul> <p><b>Utility Stream Crossings</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Design criteria</li> </ul> <p><b>Post-Construction Reporting</b></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Action Completion Report</li> <li><input checked="" type="checkbox"/> Fish Salvage Report</li> <li><input type="checkbox"/> Site Restoration/Compensatory Mitigation Report</li> </ul>	<p><b>Streambank/Channel Stabilization</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Alluvium placement</li> <li><input type="checkbox"/> Large wood (LW) placement</li> <li><input type="checkbox"/> Vegetated riprap with LW</li> <li><input type="checkbox"/> Woody plantings</li> <li><input type="checkbox"/> Herbaceous cover</li> <li><input type="checkbox"/> Streambank shaping</li> <li><input type="checkbox"/> Coir logs</li> <li><input type="checkbox"/> Soil reinforcement</li> <li><input type="checkbox"/> Engineered log jams</li> <li><input type="checkbox"/> Floodplain flow spreaders</li> <li><input type="checkbox"/> Fertilizer</li> <li><input type="checkbox"/> Fencing</li> <li><input type="checkbox"/> Filling scour hole</li> <li><input type="checkbox"/> Slope stabilization with rock</li> </ul> <p><b>Invasive and Non-native Plan Control</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Non-herbicide methods</li> <li><input type="checkbox"/> Power equipment</li> <li><input type="checkbox"/> Herbicide applicator qualifications</li> <li><input type="checkbox"/> Transportation and safety plan</li> <li><input type="checkbox"/> Approved herbicides</li> <li><input type="checkbox"/> Approved herbicide adjuvants</li> <li><input type="checkbox"/> Approved herbicide carriers</li> <li><input type="checkbox"/> Approved herbicide application rates</li> <li><input type="checkbox"/> Approved application methods</li> <li><input type="checkbox"/> Minimize herbicide drift and leaching</li> <li><input type="checkbox"/> Required no-spray buffer distances</li> </ul>
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**ATTACHMENT C**

**Section 106 Documentation**

**OR 131: TILLAMOOK RIVER BRIDGE MAINTANENCE**

**RURAL TILLAMOOK RIVER COUNTY OREGON**




**Oregon**

Kate Brown, Governor

**Department of Transportation**  
Highway Division/Technical Services  
Geo-Environmental Section, MS#6  
4040 Fairview Industrial Dr SE  
Salem, OR 97302  
Phone: (503) 986-3252  
Fax: (503) 986-3249

Date: June 16, 2020 [AMENDED 6/18/20]

To: Corissa Anderson-Horvath  
Region 2 Environmental Coordinator  
Oregon Department of Transportation

From: Roy Watters   
ODOT Archaeologist

RE: **No Potential to Cause Effects Memo**  
**Tillamook River Bridge Repair Project**  
**T1S, R10W, Sec 26; Netarts Quadrangle**  
**Tillamook County, Oregon**  
**ODOT Key No. M19023**

The Oregon Department of Transportation (ODOT) proposes to make repairs to a bridge across the Tillamook River located at Milepost 7.5 on OR131 (Netarts Highway) west of the city of Tillamook (Project Area Map). This is a state-funded bridge repair project but will require a US Army Corps of Engineers (Corps) permit for in-water work and a NMFS/NOAA SLOPES permit. The project proposes to repair ~~three piles (on two bents)~~ six piles (on five bents) and bracing on two spans. Repair of the piles will require placing a 15 ¾ inch steel sleeve over the existing piling and embedding the sleeve about 2' into the river bed. The void between the steel sleeve and the piling will be filled with concrete and grout. Ground disturbance will be limited to sinking the steel sleeve into the river bed using a hydraulic jack. Access to the river will be via a floating platform with equipment lowered from the bridge deck. All other access to the underside of the bridge will be on foot. Staging will be limited to previously improved areas, likely the along the old highway alignment on the east end of the Area of Potential Effects (APE). The APE for the ODOT project is provided in the attached APE map, although the Corps generally limits their APE to the smaller jurisdictional area they permit.

A review of Oregon State Historic Preservation Office (SHPO) files revealed that two previously recorded archaeological sites are present within 1 mile of the project area. Site 35TI90 was a base camp for fishing and hunting activities and a manufacture site for related technology dated to between ca. 1,300 and 250 years b.p. (2012 Roulette, et. al), and is located approximately 1,200 meters east of the current project area. SHPO records also have a notation for the possible location of Camp West Tillamook - Oregon National Guard Camp [1913] just south of site 35TI90. In addition, SHPO records note the possible location of TOW-ER-QUOT-ONS SITE as per Le Gilson's map, located approximately 1,500 meters ENE of the current project area. The section of OR131 within the current project area was surveyed in 2011 for a proposed Tillamook



PUD transmission line (2011 Wilt) and again for proposed Verizon fiber optic line (2013 Finley) – neither survey identified any cultural resources.

Roy Watters, ODOT Archaeologist and Tribal Liaison, sent a project description, maps and the results of his site visit to the Confederated Tribes of the Grand Ronde Community of Oregon and the Confederated Tribes of Siletz Indians on June 2, 2020. No comments were received. Amended project descriptions were provided to the Confederated Tribes of the Grand Ronde Community of Oregon and the Confederated Tribes of Siletz Indians on June 18, 2020.

I visited the project area in April 2020. Ground visibility was limited due to vegetation, but again, no ground disturbance is expected outside of the river channel. No archaeological resources were observed.

Based upon proposed construction impacts, the project is unlikely to impact historic properties (archaeology) and no further work is recommended. ODOT's internal review of the proposed project resulted in the following determination: No Potential to Cause Effects.

If you have any questions, please contact Roy Watters, ODOT Archaeologist, at 503-986-3375, or [roy.watters@odot.state.or.us](mailto:roy.watters@odot.state.or.us).

#### **References Cited**

Finley, Aimee A.

2013 Results of a Cultural Resources Assessment of the Verizon Wireless Fiber Optic Cable – Cape Meares Route, Tillamook County, Oregon. AAR Report, No. 1170, Portland, Oregon.

Roulette, Bill R., Thomas E. Becker, Lucille E. Harris, and Erica D. McCormick

2012 Archaeological Investigations at Site 35TI90, Tillamook, Oregon. AAR Report, No. 686, Portland, Oregon.

Wilt, Julie

2011 Results of a Cultural Resources Investigation of the Proposed PUD Transmission Line Project, Tillamook County, Oregon. CH2MHill, Portland, Oregon.

#### **Attachments**

Tillamook River Bridge Repair Project Area Map

Tillamook River Bridge Repair APE Map

**ATTACHMENT D**

**Land Use Compatibility Statement (Tillamook County)**

**OR 131: TILLAMOOK RIVER BRIDGE MAINTANENCE**

**RURAL TILLAMOOK RIVER COUNTY OREGON**

ODOT Maintenance Project: Hwy 131 Tillamook River Hwy Bridge Maintenance

**Land Use Compatibility Statement**

Prepared for the Tillamook County, OR – April 23, 2020

The Oregon Department of Transportation (ODOT) has requested that Tillamook County (1) determine whether the above referenced project is consistent with the County's comprehensive plan, and (2) identify the land use approvals and development permits that will be required. The response is provided below. <sup>1</sup>

**A. Consistency with comprehensive plan <sup>2</sup>**

- Project is consistent with comprehensive plan
- Project is not consistent with comprehensive plan

**B. Land use approvals and development permits required**

- Plan Amendment
- Zone Change
- Conditional Use Permit
- Development Permit
- Other Permits:
- None

(Please list in Comments)

*Estuary + Floodplain Type II Development Permit*

**C. Comments**

- 1. Development Regulated under TCUVD Section 3.106 + Section*
- 2. EC1 zone requires review with standards per TCUVD Section*
- 3. Estuary Development Permit is Type II Review per TCUVD*
- \* Area is tidally influenced + is not Floodway.*

**D. Certification**

*Sarah Absher*

Planning Manager/Director

Tillamook County

*June 23, 2020*

Date

*\* Consistency with CZMA may be required.  
Please call DCO for Confirmation*

<sup>1</sup> This form was prepared by ODOT to comply with OAR 731-015. It may be modified by the responding local jurisdiction as they deem necessary. ODOT may present these findings to other regulatory agencies to satisfy the review requirements of those agencies.

<sup>2</sup> Projects identified in a locally-adopted Transportation System Plan are considered to be consistent with the comprehensive plan. (The TSP is an element of the comp plan.) Roadway maintenance and minor improvements, which are not typically identified in a TSP, are also considered to be consistent.

## **ATTACHMENT E**

### **401 Certificate Request (Oregon Department of Environmental Quality)**

**JPA Attachment  
Clean Water Act Section 401 Water Quality Certification  
Supplemental Information Requirements**

1. Identify the project proponent(s) and a point of contact;

Oregon Department of Transportation (ODOT).  
Ron Francis, ODOT Region 2 Wetland Specialist.

2. Identify the proposed project;

OR 131: Tillamook River Bridge Maintenance.

3. Identify the applicable federal license or permit;

USACE Nationwide Permit #3.

4. Identify the location and nature of any potential discharge that may result from the proposed project and the location of receiving waters;

Project Location: OR 131 at the Tillamook River Bridge (MP 7.49), 45.4568 & -123.8769

The purpose of this state highway project is to comply with recommended pier scour protection measures for the maintenance of existing bridges. Maintenance is proposed at this time, since replacement of the bridge could be 20 years or more due to its relative good condition and high performance rating. A bridge inspection report in 2014 cites 3-5-feet of scour exposing the columns. Based on the need, the design specifically focuses on scour repair at the existing structure. The project does not propose any upgrades to the bridge or highway section with no storm water requirements. A floating platform will be used to place the riprap into the 4 scour holes underneath the bridge.

The project will result in a discharge of fill material in the amount of 6 cubic yards to the Tillamook River located in the vicinity of 45.4568 & -123.8769.

The project **doesn't** include new impervious surfaces that will discharge treated storm water to the river.

5. Include a description of any methods and means proposed to monitor the discharge and the equipment or measures planned to treat, control, or manage the discharge:

Standard best Management Practices (BMP's) for erosion and sediment control will be installed to protect the water resource. To ensure their effectiveness, the erosion control items will be routinely inspected and maintained. A pollution control plan with onsite clean-up material will be provided by the contractor to reduce the risk of spills and leaks into the waterways. All heavy equipment shall be checked for fluid leaks, inspected, and cleaned prior to operating within 150 feet of the regulated work areas (ODOT Standard Specification 00290's). Specific BMP's to be utilized during construction of this project includes:

- Work during the ODFW summer in-water work window, as opposed to the typical winter months for estuaries. The in-water work extension was approved by ODFW, which provides a lower chance to affect listed fish species.
  - Follow all terms/conditions of the COE/DEQ permits and SLOPES.
  - Minimize vegetation removal to the maximum extent practicable.
  - Have additional erosion control materials (such as matting, biofilter bags, etc.) available onsite.
  - Comply with conditions of the ODOT's NPDES 1200CA permit.
  - Apply principles outlined in the ODOT Erosion Control Manual.
6. Include a list of all other federal, interstate, tribal, state, territorial, or local agency authorizations required for the proposed project, including all approvals or denials already received:

List other certificates or approvals/denials required or received from other federal, state or local agencies for work described in this application.		
Agency	Certificate / approval / denial description	Date Applied
DEQ	Section 401	February 2022 (expired March 2023)
FHWA	SLOPES	April 2019 (approved)
SHPO	Section 106	April 2019 (approved)
Tillamook County	LUCS	April 2019 (approved)

7. Include documentation that a pre-filing meeting request was submitted to the certifying authority at least 30 days prior to submitting the certification request;

See below



## Submittal Receipt

Department of Environmental Quality, State of Oregon

700 NE Multnomah Street, Suite 600 Portland, OR 97232-4100

Create Date: 1/3/2023

### Submittal Summary

---

Submittal ID: 44221

Submittal: **(401) - 401 Dredge and Fill Supporting Materials**

Submitted By: **Ron Francis**

Email: [Ronald.L.Francis@odot.oregon.gov](mailto:Ronald.L.Francis@odot.oregon.gov)

Submitted Date: **2023-01-03 08:01:01**

### Form Detail

---

Submittal Name: **(401) - 401 Dredge and Fill Supporting Materials**

Submission Method: **Online**

Action Type: **New**

### Payment Information

---

There is no payment due at this time.

### Certification

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Certification Statement: **I hereby certify that I am either the activities' owner or operator, or the owner's or operator's authorized representative.**

Certification Question: **What is the first and last name of your oldest sibling?**

Certification Question Answer: **\*\*\*\*\***

PIN Number: **\*\*\*\*\***

IP Address: **167.131.0.194**

Responsible Official: **Ron Francis**

8. The project proponent hereby certifies that all information contained herein is true, accurate, and complete to the best of my knowledge and belief.
9. The project proponent hereby requests that the certifying authority review and take action on this CWA 401 certification request within the applicable reasonable period of time.

# EXHIBIT C

## Melissa Jenck

---

**From:** BRADLEY Robert \* ODFW <Robert.BRADLEY@odfw.oregon.gov>  
**Sent:** Monday, June 5, 2023 11:45 AM  
**To:** Allison Chase; Melissa Jenck  
**Cc:** Sarah Absher  
**Subject:** EXTERNAL: RE: Notice of Administrative Review/851-23-000095-PLNG

**[NOTICE: This message originated outside of Tillamook County -- DO NOT CLICK on links or open attachments unless you are sure the content is safe.]**

Some comments on this application:

ODFW previously approved an in-water timing variance for this project (that then didn't happen), so we will work with the applicant again if necessary and a variance is requested.

The applicant must keep green concrete from reaching the waterway. If there is a release to the waterway the applicant must notify OERS and take immediate steps to contain the spill.

Notification of the work should be posted at boat ramps in the vicinity (Memaloose, Carnahan Park, Burton Bridge) so boaters and anglers are aware.

Robert

Robert W. Bradley  
District Fish Biologist  
Oregon Department of Fish and Wildlife  
North Coast Watershed District  
4907 Third St  
Tillamook, OR 97141  
503-842-2741 x18613 (w)  
503-842-8385 (fax)

---

**From:** Allison Chase <achase@co.tillamook.or.us>  
**Sent:** Friday, June 2, 2023 3:11 PM  
**To:** Melissa Jenck <mjenck@co.tillamook.or.us>  
**Cc:** Sarah Absher <sabsher@co.tillamook.or.us>  
**Subject:** Notice of Administrative Review/851-23-000095-PLNG

Good afternoon,

Please see link below for Notice of Administrative Review for an Estuary/Floodplain Development Permit.

[851-23-000095-PLNG | Tillamook County OR](#)

Sincerely,



## Response Page

Department of State Lands (DSL) WN#\*

WN2023-0452

### Responsible Jurisdiction

<b>Staff Contact</b> Melissa Jenck	<b>Jurisdiction Type</b> County	<b>Municipality</b> Tillamook
<b>Local case file #</b> 851-23-000095-PLNG	<b>County</b> Tillamook	

### Activity Location

Township	Range	Section	QQ section	Tax Lot(s)
01S	10W	26		500

Street Address

OR 131 (Netarts Hwy) at MP 7.49

Address Line 2

City

State / Province / Region

Postal / Zip Code

Country

Tillamook

**Latitude**

45.456801

**Longitude**

-123.8761

### Wetland/Waterway/Other Water Features

- There are/may be wetlands, waterways or other water features on the property that are subject to the State Removal-Fill Law based upon a review of wetland maps, the county soil survey and other available information.
- The National Wetlands Inventory shows wetland, waterway or other water features on the property
- The county soil survey shows hydric (wet) soils on the property. Hydric soils indicate that there may be wetlands.
- The property includes or is adjacent to designated Essential Salmonid Habitat.
- The property includes or is adjacent to state-owned waters.

### Your Activity



It appears that the proposed project **will** impact Essential Salmonid Habitat and, therefore, **requires** a State permit.

An onsite inspection by a qualified wetland consultant is recommended prior to site development to determine if the site has wetlands or other waters that may be regulated. The determination or delineation report should be submitted to DSL for review and approval. Approved maps will have a DSL stamp with approval date and expiration date.

## Applicable Oregon Removal-Fill Permit Requirement(s)

A state permit is required for any amount of fill, removal, and/or other ground alteration in Essential Salmonid Habitat and within adjacent off-channel rearing or high-flow refugia habitat with a permanent or seasonal surface water connection to the stream.

## Closing Information

### Additional Comments

The project as described and shown in the submitted materials does not appear to be in TL 500, as it is a bridge repair, presumably in the road right of way. A delineation review is pending for TL 500 and 2300. If removal-fill is anticipated in tax lot 500, you should wait for delineation review and concurrence. A delineation for the bridge repair in the right-of-way may not be needed if all project activity will occur within the river and adjacent estuarine wetlands. You should discuss the project with the aquatic resource coordinator for Tillamook County, Dan Cary (503-986-5302; dan.cary@dsl.oregon.gov) to see what he would require for permitting.

**This is a preliminary jurisdictional determination and is advisory only.**

This report is for the State Removal-Fill law only. City or County permits may be required for the proposed activity.

A Federal permit may be required by The Army Corps of Engineers: (503)808-4373

### Contact Information

- For information on permitting, use of a state-owned water, wetland determination or delineation report requirements please contact the respective DSL Aquatic Resource, Proprietary or Jurisdiction Coordinator for the site county. The current list is found at: <http://www.oregon.gov/dsl/ww/pages/wwstaff.aspx>
- The current Removal-Fill permit and/or Wetland Delineation report fee schedule is found at: <https://www.oregon.gov/dsl/WW/Documents/Removal-FillFees.pdf>

### Response Date

6/30/2023

### Response by:

Lynne McAllister

### Response Phone:

503-986-5300